

Herbrand

"VAN CHROME"

*Quality
Tools*



CATALOGUE No. 55 M



TOOLS OF QUALITY

by **Herbrand**

THE GREATEST NAME IN TOOLS SINCE 1881

70 YEARS of continuous progress in the research, engineering and development of tools for the master mechanic have placed Herbrand in the forefront of the automotive and industrial fields. This experience has created the background so essential to intelligent service and is reflected in the high standard of quality found in Herbrand Tools today. Excellence of quality and revolutionary design have given them universal acceptance. Herbrand Tools raise the efficiency of the mechanic to the highest degree.

The time-tested mark of distinction "*Herbrand*" or "*Van-Chrome*" on any tool is your unqualified guarantee against faulty material or workmanship and positive assurance that they will give unfailing service on the work for which they are designed.

HERBRAND TOOLS ARE MADE IN CANADA

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Van-Chrome Hot Forged Sockets, Handles and Lightweight Attachments

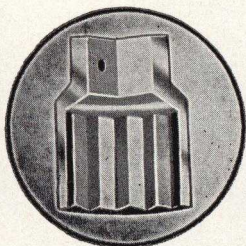
Compare the New Herbrand *Hot Forged Sockets* with the ordinary type and immediately you will see the smooth, clean cut, thin, accurate side walls and points which are free from chatter marks, tears and chips. They are lighter in weight, structurally better and have unbreakable strength.

Herbrand's *Hot Forging* eliminates all unnecessary bulk, and the extra this, straight side walls banish clearance problems. The drive ends are machined down to a narrow offset shoulder which further reduces weight, bulk and clumsiness. The height of each socket is graduated to a definite engineering formula to balance with the size of the openings. They are heavily knurled for non-slip grip and equipped with positive lock-on.

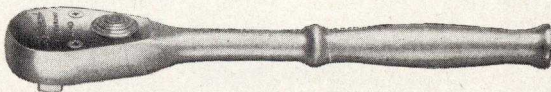
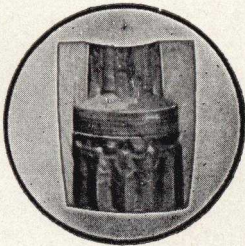
All "Van-Chrome" Sockets and Attachments are attractively finished in triple nickel with contrasting silvery satin heads and mirror polished walls.

Herbrand Makes Only One Grade of Socket Wrenches

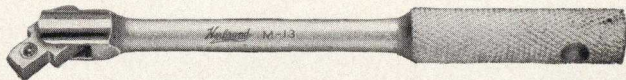
Only the best grade of Sockets and Handles give complete satisfaction. Herbrand does not mislead or confuse the trade with different or inferior grades. The trade name Herbrand "Van-Chrome" stands for perfection.



Actual
photographic
comparison—
Hot Forged
with
cold broached
socket.



The finger tip control of this modern Ratchet makes it instantly reversible to operate on the 28th of a turn in either direction with no lost motion. Absolutely trouble-proof, quick-acting and designed with trim, slender lines to operate freely in close, cramped quarters.



Flexible Offset Handle—perfectly balanced—light weight—square drive hole in handle for use as an extension—broached to fit any standard units—cross drilled for sliding bar to make T or L wrenches—drive tip holds firm at any desired angle.

Herbrand employs a positive ball and spring lock-on feature. Sockets are drilled to easily engage the friction ball on the handle units when lined up with the hole. This method holds sockets firmly, yet they release readily without the aid of a special tool.



Extensions—forged solid square opening in heads, drilled for T bar. Shoulder on drive acts as socket stop.



Forged head of the Sliding T Handle adjusts flush to ends, forming a perfect offset wrench. A friction ball holds the head firmly at any point.



M-606 to 614



M-808 to 810



M-10



M-13



M-33



M-20



M-21



M-22



M-23



M-45

Midget Series "Van-Chrome" Sockets, Handles and Attachments

$\frac{1}{4}$ " Square Drive

Hot Forged from Chrome Molybdenum Steel

These Mighty Midget Sockets are Hot Forged (not broached), assuring smooth clean cut openings for fine adjustments and extreme accuracy. They have thin, straight sidewalls for use and clearance where space is very limited and are the most modern design for small nuts in close quarters on magnetos, generators, carburetors, radios, refrigerators, airplanes, wiring connections, etc. Each Socket is chamfered, knurled and drilled for lock-on feature. Chrome plated with polished sidewalls.

6-POINT SOCKETS

Number	Opening	Height	Wt. Doz. Ozs.	Net, Each
M-606	$\frac{3}{16}$	1	5	
M-607	$\frac{7}{32}$	1	5	
M-608	$\frac{1}{4}$	1	6	
M-609	$\frac{9}{32}$	1	6	
M-610	$\frac{5}{16}$	1	6	
M-611	$\frac{11}{32}$	1	8	
M-612	$\frac{3}{8}$	1	10	
M-614	$\frac{7}{16}$	1	12	

8-POINT SOCKETS

M-808	$\frac{1}{4}$	1	6	
M-810	$\frac{5}{16}$	1	8	
M-812	$\frac{3}{8}$	1		

6-POINT DEEP SOCKETS $\frac{1}{4}$ " DRIVE

For $\frac{1}{4}$ " Drive Deep Sockets see page 49

MIDGET HANDLES AND ATTACHMENTS

To broaden the scope of usage of the popular Midget Sockets, Herbrand presents these Handles to complete this necessary and practical line of small hand tools. Engineered to deliver the utmost speed and ease of handling, they are light in weight but exceptionally strong. Chrome plated.

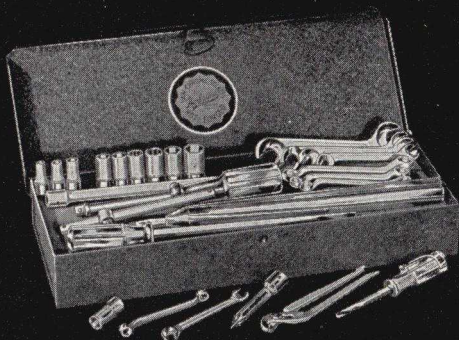
No.	Description	Net, Ea.
M-10	MIDGET REVERSIBLE RATCHET OF EXCLUSIVE HERBRAND DESIGN. Instantly reversible with easy operating thumb control button to ratchet on $\frac{1}{64}$ th of a turn, either right or left without lost motion, which permits working in $\frac{1}{16}$ th of a circle. Engineered with small head and slender lines to function efficiently in close places where other tools are restricted. The solid drop forged handle is full-fashioned to fit the natural grip of the fingers. Length $5\frac{1}{4}$ ". Weight $3\frac{1}{2}$ ozs.	
M-13	FLEXIBLE OFFSET HANDLE. This essential Flex Handle combines a swivel handle, an offset handle, a T handle and a nut spinner in one perfectly balanced tool. The head is held firmly at any desired angle by a tension ball. The knurled handle is cross-drilled to take a T bar and has a $\frac{1}{4}$ " square drive hole to engage other Midget units. Length 6". Weight $3\frac{1}{2}$ ozs.	
M-20	SPINNER HANDLE. Pyralin insulated grip. Featured by a $\frac{1}{4}$ " square drive hole in the handle end for use with the Sliding T, or other attachments. Shank 3". Overall length 6". Weight 2 ozs.	
M-21	SLIDING T HANDLE. The forged head slides flush to either end and is firmly held at any desired point on bar by a friction ball. Length $4\frac{1}{2}$ ". Weight 1 oz.	
M-22	EXTENSION. 4" long. Weight 1 oz.	
M-23	EXTENSION. 2" long. Weight 1 oz.	
M-33	T HANDLE BAR. Used to form a T handle with M-13 Flex Spinner. Length $4\frac{1}{2}$ ". Weight 1 oz.	
M-35	UNIVERSAL JOINT. Length $\frac{3}{4}$ "	
M-45	SCREW DRIVER ATTACHMENT FOR PHILLIPS HEAD SCREWS. $\frac{1}{4}$ " square drive. Length 2". Fits No. 2 Phillips screw point Weights. 1 oz.	
M-53	SCREW DRIVER $\frac{3}{16}$ " Bit.	
M-54	" " $\frac{1}{4}$ " "	
M-55	" " $\frac{5}{16}$ " "	



Set No. MA-50 1/2



Set No. MA-51 1/2



Set No. MA-55 1/2



Set No. MA-56 1/2

"Van-Chrome" Midget Series Socket and Small Nut-Turning Sets

$\frac{1}{4}$ " Square Drive

Chrome Molybdenum

These carefully planned sets incorporate all the necessary Midget Sockets, Tiny Wrenches and Accessories that fill a very definite need where delicate adjustments require a precision touch rather than power and leverage. They obviate the use of cumbersome and awkward tools that invariably cause damage to costly, delicate parts.

MIDGET SOCKET SET NO. MA-50 $\frac{1}{2}$

13 Pieces

Takes care of the popular sizes of small nuts used on aircraft, radio, automotive electrical and other equipment.

Contents: Ten Hot Forged Midget Sockets listed on page 6. Midget $\frac{1}{4}$ Drive Handles, M-20, M-21 and M-22.

SET NO. MA-50 $\frac{1}{2}$, in fitted metal box. Weight 15 ozs.

NET PRICE, complete.....

COMPLETE MIDGET SOCKET SET NO. MA-51 $\frac{1}{2}$

18 Pieces

A compact Socket Set carrying the complete range of Hot Forged Sockets and necessary Handle Units required for all small nut-turning work.

Contents: Eight 6-point "Van-Chrome" Sockets openings from $\frac{3}{16}$ " to $\frac{1}{8}$ ". Two 8-point Sockets $\frac{1}{4}$ " and $\frac{5}{16}$ ". Eight Midget Handles: M-10 Ratchet, M-13 Flex Handle, M-33 T Bar, M-20 Spinner Handle, M-21 Sliding T Handle, M-22 Extension 4", M-23 Extension 2", M-45 Phillips Screw Driver Bit. See page 6 for full details.

SET NO. MA-51 $\frac{1}{2}$, in fitted metal box. Weight 2 lbs.

NET PRICE, complete.....

MIDGET SOCKET AND TOOL SET NO. MA-55 $\frac{1}{2}$

27 Pieces

The use of this carefully selected assortment of small tools is very wide, not only for automotive mechanics and electricians, but for service work on radios, typewriters, office machines, movie equipment, sewing machines, meter repairs, etc.

Contents: 10 Hot Forged $\frac{1}{4}$ " Drive Sockets listed on page 6. 4 Midget Handles and Attachments Nos. M-20, M-21, M-22 and M-45. 4 Midget Box Wrenches shown on page 88. 5 Miniature Open End Wrenches Nos. 81, 83, 85, 87 and 89 described on page 89. No. 167 Ignition Plier. 3 Shockproof Handle Screw Drivers, Nos. 310-2", 311A-6", 309- $\frac{3}{4}$ " blade.

SET NO. MA-55 $\frac{1}{2}$, in fitted metal box. Weight 3 $\frac{1}{2}$ lbs.

NET PRICE, complete.....

COMPLETE MIDGET TOOL SET NO. MA-56 $\frac{1}{2}$

31 Pieces

Here is the set that provides the utmost in Miniature Tools for all midget nuts, bolts or screws and for any work so frequently encountered where parts are small and working space limited.

Contents: Ten Hot Forged $\frac{1}{4}$ " Drive Sockets listed on page 6, with openings from $\frac{3}{16}$ " to $\frac{1}{8}$ ". Eight Handles and Attachments: M-10 Reversible Ratchet, M-13 Flex Handle, M-20 Spinner Handle, M-21 Sliding T Handle, M-22 Extension 4", M-23 Extension 2", M-33 T Bar, M-45 Phillips Screw Driver Bit. Five Miniature Open End Wrenches Nos. 81, 83, 85, 87, 89 shown on page 89. Ignition Plier No. 167. Four Midget Box Wrenches shown on page 88. Three Shockproof Handle Screw Drivers Nos. 310-2", 311A-6", 309- $\frac{3}{4}$ " blade.

SET NO. MA-56 $\frac{1}{2}$, in fitted metal box. Weight 4 lbs.

NET PRICE, complete.....

See pages 46 to 47 for other Electrical and Ignition Tools



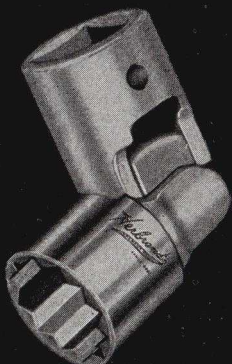
J-112 to J-124



J-212 to J-216



J-608 to J-624



J-312 to J-324



J-914 to J-920



J-414 to J-426



J-812 to J-826

Herbrand's *Hot Forging* eliminates all unnecessary bulk, and the extra thin, straight side walls banish clearance problems. The drive ends are machined down to a narrow offset shoulder which further reduces weight, bulk and clumsiness. The height of each socket is graduated to a definite engineering formula to balance with the size of the openings. They are heavily knurled and equipped with positive lock-on.

Herbrand Makes Only One Grade of Socket Wrenches

Only the best grade of Sockets and Handles give complete satisfaction. Herbrand does not mislead or confuse the trade with different or inferior grades. The trade name Herbrand "Van-Chrome" stands for perfection.

Junior Series "Van-Chrome" Sockets

$\frac{3}{8}$ " Square Drive—Thin Straight Walls

Hot Forged from Chrome Molybdenum Steel

Small—Slender—Straight—Thinwalled—yet mighty in performance. Extra strength is Hot Forged into them. Advanced features of design provide unequalled advantages of speed and utility. Heat treated, knurled, have lock-on feature. Chrome plated, polished walls. Increasing service work on modern motors has created a definite need for 6-point sockets. They take a positive grip on all points of hex nuts even when distorted. Especially practical and necessary for aircraft motors.

12-POINT SOCKETS

Number	Opening	Height	Dealer Net Price Each
J-112	$\frac{3}{8}$	$1\frac{15}{16}$	
J-114	$\frac{7}{16}$	$1\frac{15}{16}$	
J-116	$\frac{1}{2}$	$1\frac{31}{32}$	
J-118	$\frac{9}{16}$	$1\frac{31}{32}$	
J-120	$\frac{5}{8}$	$1\frac{1}{2}$	
J-122	$1\frac{11}{16}$	$1\frac{1}{2}$	
J-124	$\frac{3}{4}$	$1\frac{1}{2}$	

8-POINT (SQUARE) SOCKETS

J-212	$\frac{3}{8}$	$1\frac{31}{32}$	
J-214	$\frac{7}{16}$	$1\frac{31}{32}$	
J-216	$\frac{1}{2}$	$1\frac{31}{32}$	

4-POINT (SQUARE) SOCKETS

+J-509	$\frac{9}{32}$		
J-510	$\frac{5}{16}$		
J-512	$\frac{3}{8}$		

6-POINT SOCKETS

J-612	$\frac{3}{8}$	$1\frac{13}{16}$	
J-614	$\frac{7}{16}$	$1\frac{15}{16}$	
J-616	$\frac{1}{2}$	$1\frac{31}{32}$	
J-618	$\frac{9}{16}$	$1\frac{31}{32}$	
J-620	$\frac{5}{8}$	$1\frac{1}{2}$	
J-622	$1\frac{11}{16}$	$1\frac{1}{2}$	
J-624	$\frac{3}{4}$	$1\frac{1}{2}$	

Special with spring tension pins in side walls for drain plug in Chrysler and Hudson flywheel Housings.

JH-622	$1\frac{11}{16}$	fits Hudson	
JC-624	$\frac{3}{4}$	fits Chrysler	

FLEXIBLE 6-POINT SOCKETS

J-912	$\frac{3}{8}$	$1\frac{1}{2}$	
J-914	$\frac{7}{16}$	$1\frac{15}{32}$	
J-916	$1\frac{1}{8}$	$1\frac{1}{8}$	

FLEXIBLE 12-POINT SOCKETS

J-318	$\frac{9}{16}$	$1\frac{3}{4}$	
J-320	$\frac{5}{8}$	$1\frac{3}{4}$	
J-322	$1\frac{11}{16}$	$1\frac{3}{4}$	
J-324	$\frac{3}{4}$	$1\frac{7}{8}$	

EXTRA DEEP 12-POINT SOCKETS

J-414	$\frac{7}{16}$	2	
J-416	$\frac{1}{2}$	2	
J-418	$\frac{9}{16}$	2	
J-420	$\frac{5}{8}$	$2\frac{1}{2}$	
J-422	$1\frac{11}{16}$	$2\frac{1}{2}$	
J-424	$\frac{3}{4}$	$2\frac{1}{2}$	

EXTRA DEEP 6-POINT SOCKETS

J-812	$\frac{3}{8}$	2	
J-814	$\frac{7}{16}$	2	
J-816	$\frac{1}{2}$	2	
*J-818	$\frac{9}{16}$	2	
††J-820	$\frac{5}{8}$	$2\frac{1}{2}$	
†J-822	$1\frac{11}{16}$	$2\frac{1}{2}$	
J-824	$\frac{3}{4}$	$2\frac{1}{2}$	
†J-826	$1\frac{13}{16}$	$2\frac{1}{8}$	

*Fits A.C. 10 mm Plugs. ††Fits 1941 Buick, Chevrolet, Cadillac, Packard, also A.C. 10 mm plugs 1941. †For Champion and Auto-Lite 10 mm Plugs.

‡14 mm Spark Plugs.

+ Fits torque converter on dynaflo transmission.



J-10



J-13



J-33



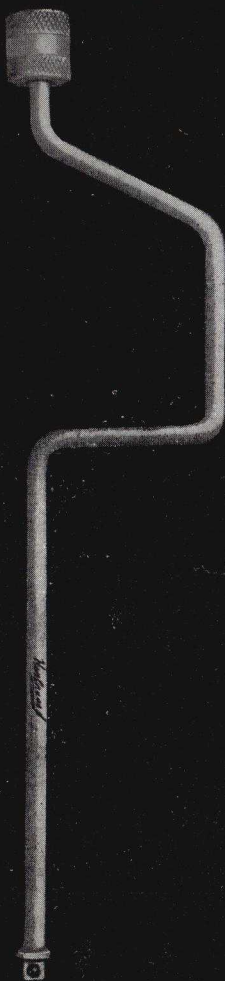
J-21



J-35



J-39



J-17



J-29



J-27



J-25

Junior Series Handles and Attachments

$\frac{3}{8}$ " Square Drive—Extra Strong and Rigid

Drop Forged from Chrome Molybdenum Steel

"Van-Chrome" Handles are correctly designed and proportioned to deliver the utmost speed and ease of handling. All unnecessary weight and clumsiness are eliminated. Comfortable grips contribute to their efficiency and careful heat treatment imparts extra strength and rigidity. Heavily chrome plated with brightly polished ends and faces. Equipped with friction balls to firmly engage the sockets and eliminate the danger of having them drop off in tight places. All Van-Chrome Handles are fully guaranteed.

J-8 $\frac{3}{8}$ " DRIVE RATCHET ADAPTER (illustrated on page 31)

J-9 $\frac{3}{8}$ " DRIVE RATCHET SPEEDER (illustrated on page 31)

J-10 JUNIOR REVERSIBLE RATCHET OF EXCLUSIVE HERBRAND DESIGN. Positive thumb control instantly reversible to operate the 20th of a turn either right or left. No delicate or complicated parts to cause grief; designed to operate in close, cramped quarters. Solid drop forged handle. Amazingly strong. Length $6\frac{5}{8}$ ". NET PRICE EACH.....

J-13 FLEXIBLE OFFSET HANDLE. A flex handle, a swivel handle, an offset handle, a T handle and a nut spinner all in one. Perfectly balanced with a compact swivel joint on a comfortable grip, knurled handle. A friction ball holds the drive tip firmly at any angle. The handle is cross drilled to insert a T bar when needed and is featured with a square drive hole in the end for use with other attachments. Length $8\frac{5}{8}$ ". NET PRICE EACH.....

J-17 SPEEDER HANDLE. Forged solid. Light and slim, designed for extra speed and more clearance. Has a special knurled revolving handle for perfect grip. Length 17". NET PRICE EACH.....

J-20 SPEEDER HANDLE. Same as J-17 except 34" long. This special length gives the fender clearance required to remove side motor plates.....

J-21 SLIDING T HANDLE. The forged head slides flush to the ends making an offset wrench. A friction ball holds the head firmly at any point on the bar. Length 8". NET PRICE EACH.....

EXTENSIONS. Forged solid and cross drilled for use with T Bar J-33. The drive end is forged with an off-set shoulder which acts as a positive stop. Equipped with lock-on feature.

J-25 EXTENSION, 3" long. NET PRICE.....

J-27 EXTENSION, 5" long. NET PRICE.....

J-29 EXTENSION, 11" long. NET PRICE.....

J-33 T HANDLE BAR. Used to form a T with all Herbrand Handles which are cross drilled for this purpose. Length $6\frac{1}{2}$ ". NET PRICE.....

J-35 UNIVERSAL JOINT, improved, short coupled, positive locking, facilitates adjustments in inaccessible places. Reaches where other universals fail. Equipped with compression springs to retain any working position desired. NET PRICE.....

J-37 Slotted Screwdriver attachment. $\frac{1}{4}$ " Bit, Length 2".....

J-38 SLOTTED SCREWDRIVER $\frac{5}{16}$ " Bit, Length $2\frac{1}{2}$ ".....

J-39 DRAG LINK SOCKET. A screw driver type socket with a $\frac{11}{16}$ " bit. Necessary for tightening slotted nuts on shock absorbers, steering gear assemblies, etc., Overall length $1\frac{1}{8}$ ". NET PRICE.....

PHILLIP'S SCREWDRIVER ATTACHMENTS

J-45 Fits No. 2 Phillips screw. Height $2\frac{1}{2}$ ".....

J-46 Fits No. 3 Phillips screw. Height $2\frac{1}{2}$ ".....

J-47 Fits No. 4 Phillips screw. Height $2\frac{1}{2}$ ".....

J-48 $\frac{1}{4}$ " Reed & Prince Screwdriver.....

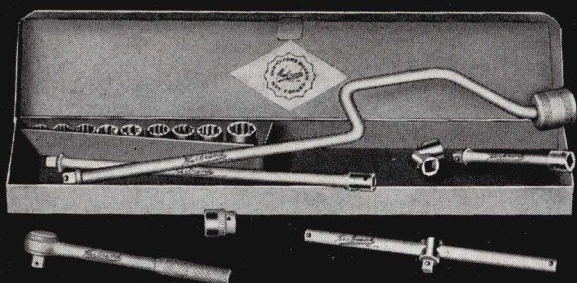
SOCKET ADAPTORS

A-388 $\frac{1}{4}$ " Female to $\frac{3}{8}$ " Male.....

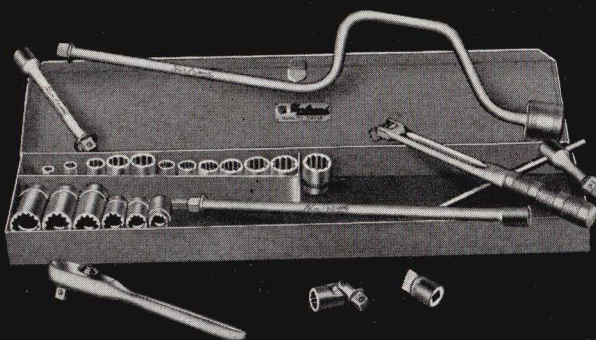
A-389 $\frac{3}{8}$ " Female to $\frac{1}{4}$ " Male.....



Set No. JA-60 $\frac{1}{2}$



Set No. JA-61 $\frac{1}{2}$



Set No. JA-65 $\frac{1}{2}$

The Junior Series Sockets included in these Sets are all Hot Forged with straight, thin side walls. Openings are extra deep, smooth, clean cut and accurate. The light weight Handles and Attachments are designed for perfect balance and efficiency.

Junior Series Van-Chrome Socket Sets

$\frac{3}{8}$ " Square Drive

Hot Forged from Chrome Molybdenum Steel

Complete Sets of Quality Sockets and Handles may be inexpensively built to suit individual needs. The selected Sets of properly graduated Junior Series Sockets listed on this page are the most popular and efficient within their size range. Available in fitted, substantial metal boxes or cardboard containers.

JUNIOR FLEX SET No. JA-60 $\frac{1}{2}$

Popular with mechanics, electricians and car owners.

Contents, total of 9 pieces:—"Van-Chrome" 12-point Sockets Nos. J-112, J-114, J-116, J-118, J-120, J-122, J-124, providing a range of opening sizes from $\frac{3}{8}$ " to $\frac{3}{4}$ " inclusive. Junior Flexible Handle J-13. T Handle Bar J-33.

SET No. JA-60 $\frac{1}{2}$, in metal box. Weight 2 lbs. NET PRICE, complete.....

SET No. JA-66 $\frac{1}{2}$. Same as above but with 7 "Van-Chrome" 6-point sockets Nos. J-612 to J-624. NET PRICE, complete in metal box.....

SET No. JA-60, same as JA-60 $\frac{1}{2}$ but in fibre box. Weight 1 lb. NET PRICE, complete.....

SET No. JA-66. Same as above but with 7 "Van-Chrome" 6-point sockets Nos. J-612 to J-624. NET PRICE, complete....

JUNIOR SOCKET SET No. JA-61 $\frac{1}{2}$

A well balanced assortment of Junior $\frac{3}{8}$ " drive Sockets and Handles which cover a wide range of service in automotive, electrical, aviation and refrigeration work.

Contents, total of 16 pieces:—7 "Van-Chrome" 12-point Sockets Nos. J-112, J-114, J-116, J-118, J-120, J-122, J-124, with opening sizes from $\frac{3}{8}$ " to $\frac{3}{4}$ " inclusive. 8-point Sockets Nos. J-212, J-214, J-216 with openings of $\frac{3}{8}$ ", $\frac{7}{16}$ ", $\frac{1}{2}$ ". Junior Reversible Ratchet J-10, new style with rounded handle 17". Speeder No. J-17. Universal Joint J-35. Sliding T Handle J-21. Extensions, J-27, 5" long and J-29, 11" long.

SET No. JA-61 $\frac{1}{2}$, in metal box. Weight 5 bs. 13 ozs. NET PRICE, complete.....

SET No. JA-67 $\frac{1}{2}$. Same as above but with 7 "Van-Chrome" 6-point Sockets J-612 to J-624. NET PRICE, complete in metal box.....

SET No. JA-61, same as JA-61 $\frac{1}{2}$ but in fibre box. Weight 3 lbs. 4 ozs. NET PRICE, complete.....

SET No. JA-67. Same as above but with 7 "Van-Chrome" 6-point Sockets J-612 to J-624. NET PRICE.....

JUNIOR SOCKET SET No. JA-62 $\frac{1}{2}$

A comprehensive assortment of Junior $\frac{3}{8}$ " drive Sockets, Handles and Attachments. Its broad range of service covers the wide variety of small nuts daily encountered on motors, airplanes, refrigerators, radios, electrical devices and automobiles.

Contents, total of 28 pieces:—7 12-point Sockets, Nos. J-112, J-114, J-116, J-118, J-120, J-122 and J-124, with openings from $\frac{3}{8}$ " to $\frac{3}{4}$ ". 8-point Sockets J-212, J-214 and J-216 with openings of $\frac{3}{8}$ ", $\frac{7}{16}$ " and $\frac{1}{2}$ ". Flexible Sockets J-916, J-318 and J-320. 6 Extra Deep Sockets J-414 to J-424 inclusive providing openings from $\frac{7}{16}$ " to $\frac{3}{4}$ ". Reversible Ratchet J-10, new improved design with rounded handle. Flex Handle J-13. Speed Handle J-17. Sliding T Extension J-21. 5" Extension J-27. 11" Extension J-29. T Handle Bar J-33. Universal Joint J-35. Drag Link J-39. These tools are described on pages 10 to 11.

SET No. JA-62 $\frac{1}{2}$, in metal box. Weight 8 lbs. NET PRICE, complete.....

SET No. JA-62, same as above but in fibre box. Weight 6 lbs. NET PRICE, complete.....



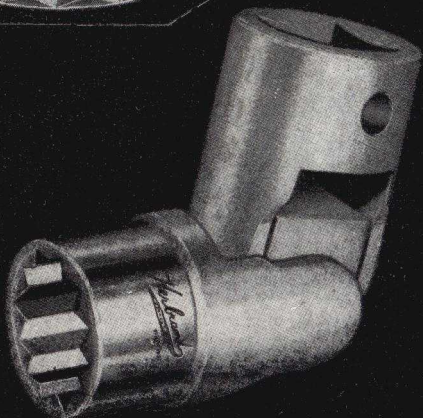
6-Point
S-616 to S-624



8-Point
S-212 to S-228



12-Point
S-112 to S-140



Flexible 12-Point S-316 to S-324

Standard Series "Van-Chrome" Sockets

$\frac{1}{2}$ " Square Drive—Extra Thin Straight Walls

Hot Forged from Chrome Molybdenum Steel

All excess weight and clumsiness have been eliminated. Every Socket is individually Hot Forged which insures precision, accuracy, greater strength, durability, and compactness adapting them to faster performance. The height of each socket is graduated to a definite engineering formula to balance with the opening size and they are knurled for a non-slip grip. Equipped with lock-on feature which firmly locks the sockets to the handles but releases easily. Extra powered by scientific heat treatment. Chrome plated with mirror polished side walls.

12-POINT HEXAGON SOCKETS

Number	Opening	Height	Weight Per Doz. Lbs. Ozs.		Net Price Each
S-112	$\frac{3}{8}$	$1\frac{1}{16}$	..	12	
S-114	$\frac{7}{16}$	$1\frac{1}{8}$	..	12	
S-116	$\frac{1}{2}$	$1\frac{1}{8}$	..	15	
S-118	$\frac{9}{16}$	$1\frac{1}{8}$	1	2	
†S-118V	$\frac{9}{16}$	$1\frac{1}{8}$	1	2	
S-119	$\frac{19}{32}$	$1\frac{5}{32}$	1	2	
S-120	$\frac{5}{8}$	$1\frac{5}{16}$	1	2	
††S-121	$\frac{21}{32}$	$1\frac{3}{8}$	1	5	
†††S-122	$\frac{11}{16}$	$1\frac{3}{8}$	1	8	
‡S-124	$\frac{3}{4}$	$1\frac{3}{8}$	1	14	
S-125	$\frac{25}{32}$	$1\frac{3}{8}$	1	14	
S-126	$\frac{13}{16}$	$1\frac{1}{2}$	2	..	
S-128	$\frac{7}{8}$	$1\frac{5}{16}$	2	4	
S-130	$\frac{15}{16}$	$1\frac{5}{16}$	2	12	
S-131	$\frac{31}{32}$	$1\frac{5}{16}$	3	..	
S-132	1	$1\frac{5}{16}$	3	3	
S-134	$1\frac{1}{16}$	$1\frac{5}{16}$	3	3	
S-136	$1\frac{1}{8}$	$1\frac{7}{8}$	4	8	
S-140	$1\frac{1}{4}$	$1\frac{7}{8}$	5	4	

†S-118V Special 6-point opening for Ford Connecting Rod Nuts including V8-85, V8-95, Mercury and all late models.

††S-121 For Ford A and B Connecting Rod Bearing Cap Nuts and V8-60 Main Bearings.

†††S-122 For Chevrolet Centre and Rear Main Bearing Cap Screws and Ford V8-85 Head Bolts.

‡S-124 Fits Rear Main Bearing Nuts on all Fords including late models.

FLEXIBLE 12-POINT HEXAGON SOCKETS

Universal joints and 12-point Sockets combined for turning nuts from any angle. Very compact, close coupled. Real time-savers in close quarters. Tension spring holds at any angle desired.

S-316	$\frac{1}{2}$	$2\frac{5}{16}$	..	..
S-318	$\frac{9}{16}$	$2\frac{7}{16}$	..	..
S-320	$\frac{5}{8}$	$2\frac{7}{16}$	..	..
S-322	$\frac{11}{16}$	$2\frac{7}{16}$	..	..
S-324	$\frac{3}{4}$	$2\frac{7}{16}$	..	..
S-326	$\frac{13}{16}$	$2\frac{7}{16}$	..	..

6-POINT HEXAGON SOCKETS

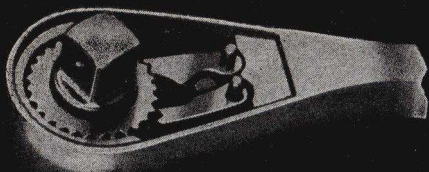
S-612	$\frac{3}{8}$	S-618	$\frac{9}{16}$
S-614	$\frac{7}{16}$	S-620	$\frac{5}{8}$
*S-614V	$\frac{1}{2}$	S-622	$\frac{11}{16}$
S-616	$\frac{1}{2}$	S-624	$\frac{3}{4}$

8-POINT SQUARE SOCKETS

S-212	$\frac{3}{8}$	S-224	$\frac{3}{4}$
S-214	$\frac{7}{16}$	S-226	$\frac{13}{16}$
S-216	$\frac{1}{2}$	S-228	$\frac{7}{8}$
S-218	$\frac{9}{16}$	S-232	1"
S-220	$\frac{5}{8}$	S-234	$1\frac{1}{16}$
S-222	$\frac{11}{16}$		

Refer to page 26 for Extra Deep Standard Sockets

*Special Cadillac Con. Rod Socket.



Open View of
Ratchet Head



S-10



S-11

The finger tip control of this modern Ratchet makes it instantly reversible to operate on the 28th of a turn in either direction with no lost motion. Absolutely trouble-proof, quick-acting and designed with trim, slender lines to operate freely in close, cramped quarters.

New Improved Standard Series "Van-Chrome" Reversible Ratchets and Ratchet Adaptor

1/2" Square Drive

Drop Forged from Chrome Molybdenum Steel

The two sizes of Standard Ratchets now offered by Herbrand in the Standard 1/2" Drive Series provide the mechanic a complement of sizes and lengths for the highest efficiency in service work. The professional mechanic will appreciate the importance of having both Ratchets because each serves a definite purpose for modern speed tool usage. Both are the new, improved mechanism and are immediately reversible with a simple thumb control button for speed, precision and accuracy. Engineered to function in the smallest working radius.

NEW REVERSIBLE RATCHET NO. S-10

Operates either right or left and is geared with 28 teeth to work readily in the 28th part of a circle. All parts are accurately machined, hardened and tempered for long wearing qualities. Positively cannot change working position without operating the control button. Each Ratchet is individually bench-tested and is the finest that money can buy at any price. Chrome plated and polished.

Length 10". NET PRICE.....

EXTRA LONG REVERSIBLE RATCHET NO. S-11

Mechanically, this Ratchet is the same as S-10 and the other New Herbrand Ratchets. It has the same predominating features and is designed and balanced for extra length where extra leverage is required. Chrome plated and polished.

Length 15". NET PRICE.....

S-8 RATCHET ADAPTORS



A Precision Tool that Gets in Those Tight Places

Fits any 1/2" drive series
Instantly reversible by
simple ring shift.
No protruding lever.
20 teeth for rugged
strength.
Positive action, no slip-
ping.
Holds securely in any
position.
Fewer working parts.
Extra tough alloy steel,
specially heat treated.
Sealed to keep out dirt
and grit.

Converts any 1/2" drive T-handle, speeder, flex handle or extension handle into an efficient, speedy ratchet extension in a second. No adaptor made is as compact, strong and simple to handle as the S-8. It converts left or right ratchet by an exclusive ring shift built right into the adaptor body. There is no protruding lever to jam or break off.

It's a rugged, efficient tool, accurately made for speedy work. It will double the efficiency of any 1/2" drive socket set by adding versatility and adaptability. Hard-to-reach nuts and work with little clearance can be handled with greater speed and ease with the S-8 and an extension handle.

Hot forged of super alloy steel, beautifully finished in chrome. An exclusive Herbrand design with an unqualified Herbrand guarantee to serve you better and longer.

S-8 Dealer net price.....

5 Notches that
hold rigidly
and maintain
definite work-
ing positions



S-13



S-15



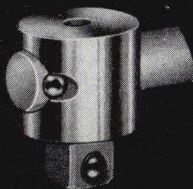
S-33



S-17 & S-19



Flex Handles
can also be
used as
Extensions or
as T and L
Wrenches



Note recess for stop
ball in this Sliding T
- head slides flush to
ends - friction ball
holds head firmly
in any position
on bar



S-21

Standard Series

Handles and Attachments

$\frac{1}{2}$ " Square Drive—Extra Strong and Rigid

Drop Forged from Chrome Molybdenum Steel

These versatile Herbrand Socket Handles and Attachments are better designed to make any combinations desired. They are lighter in weight than the ordinary types, increase efficiency, eliminate bulk and clumsiness get into those tough spots and are easier to handle. One-piece forging and scientific heat treatment impart rigidity and power. Chrome plated and polished.

SURESET FLEX HANDLES

Definitely distinctive improvements to Herbrand's Nationally Popular Flex Handles make them better, stronger and more useful than ever. The hinged socket receiving end is drop forged and machined with 5 notches held by a friction ball to hold firmly at any desired angle; the friction ball seats in the notches for more rigidity and maintains a definite working position. The entire tool is drop forged and produced by the drawn out and rolling method which refines the steel and imparts extra strength. Designed with larger fork, more body and longer knurled handle for a full hand grip. The handle is cross-drilled for use with T bar No. S-33, Chrome Plated and polished.

No.	Description	Net Price Each
S-13	FLEXIBLE OFFSET HANDLE. Length 12".....	
S-15	LONG FLEXIBLE OFFSET HANDLE. A flex handle, a swivel handle, a T handle, an offset wrench and a nut spinner—all in one. Has all the exclusive features above described. 18" long.....	
S-17	SHORT SPEEDER HANDLE. Forged solid and specially designed for maximum clearance and leverage. Knurled revolving grips. 15" long.....	
S-19	LONG SPEEDER HANDLE. Forged solid and designed to deliver the utmost in speed and efficiency. Knurled revolving grips. 17" long.....	
S-20	EXTRA LONG SPEEDER HANDLE. Here's that long, lean reach on the most modern Speeder, especially built to save time, labor and grief when getting into tough spots on present day motors. The extra length makes it unnecessary to remove the hood or other interfering parts, but reaches down in and engages nuts in dark corners, at difficult angles, where average tools are useless. Has knurled revolving grip handle. Designed with a short sweep for maximum clearance. Length 34".....	
S-21	SLIDING T HANDLE. The forged head slides flush to either end and is firmly held at any point on the bar by a friction ball. Length 11".....	
S-22	EXTRA LONG SLIDING T HANDLE. An extra long reach with tremendous pulling power. Makes work easy in awkward and difficult locations. The head slides flush to either end or remains firmly in any position on the bar. Length 16".....	
S-33	T HANDLE BAR. Used to form T Handle with all Herbrand attachments which are cross drilled for this service. 11" long.	



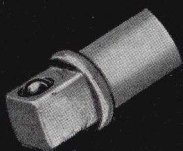
The forged heads of Extensions are cross drilled to make T or L wrenches -also have retaining holes for positive locking



S-27



S-28



The drive end of Extensions - forged to a perfect fit to readily engage sockets or handles - offset shoulder for positive socket stop



The Herbrand positive lock-on feature - engages easily - holds sockets firmly - releases readily



S-35



A-390 to A-393



S-37 to S-39

Standard Series Handles and Attachments

1/2" Square Drive—Extra Strong and Rigid

Drop Forged from Chrome Molybdenum Steel

All "Van-Chrome" Handles and Attachments are equipped with Herbrand's well-known and distinctive lock-on feature. This is your assurance that the sockets "stay put"—no chance of them dropping off to cause grief and loss of time. The forged offset shoulder on the connection ends is a positive socket stop and provides automatic engagement of the locking ball which releases readily on a straight pull without the use of any special gadgets. Finished in lustrous Chromium plate, the ends and faces are polished brightly. This finish is rust resisting and will retain its lustre. All "Van-Chrome" Sockets and Handles are fully guaranteed.

All Herbrand Standard Extensions are forged solid with 1/2" square drive opening in the heads for use with other attachments. Drilled to engage T bar No. S-33, they also have retaining holes for positive lock-on to all units. The drive ends have a forged shoulder which acts as a positive socket stop and are equipped with lock-on ball to keep the sockets from working loose or falling off.

FORGED EXTENSIONS

No.	Description	Net Price Each
S-27	EXTENSION, 5" long.....	
S-28	EXTENSION, 10" long.....	
S-30	EXTENSION, 33" long. Especially useful for working on late model cars, especially under the hood.....	
S-33	T HANDLE BAR. Used to favor T handle with all Herbrand attachments which are cross drilled for this service. 11" long.....	
S-35	UNIVERSAL JOINT. Extremely compact. New design. Short coupled. Breaks over to a full 90° angle for positive locking. Reaches into tight places where other universals fail. Equipped with compression springs to retain any working position desired.....	
S-37	DRAG LINK SOCKET, 3/4" Blade.....	
S-39	DRAG LINK SOCKET, 1" Blade.....	

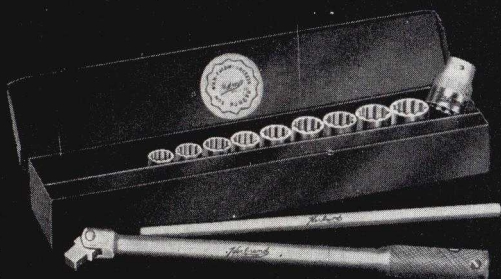
SOCKET ADAPTORS

These Adaptors increase the range of the handles and permit the use of sockets of one series with handles of another series.

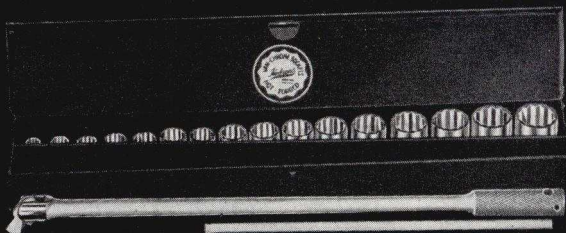
No.	Descriptions	Net Price Each
A-388	1/4" female to 3/8" male.....	
A-389	1/4" male, 3/8" female.....	
A-390	3/8" male, 1/2" female.....	
A-391	1/2" male, 3/8" female.....	
A-393	1/2" male, 3/4" female.....	
A-394	1/2" female, 3/4" male.....	



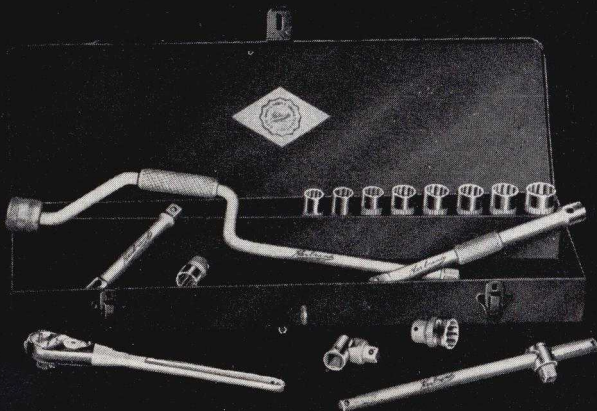
Set No. SA-70



Set No. SA-71½



Set No. SA-73½



Set No. SA-72½

Standard Series "Van-Chrome" Socket Sets

$\frac{1}{2}$ " Square Drive

Mechanics Popular Assortments

Here are set combinations containing the latest Hot Forged Sockets and speedier, better designed Handles. The heavy gauge metal boxes will last a lifetime and there is ample space for additional tools.

STANDARD SOCKET ASSORTMENT NO. SA-70— 17 PIECES

A popular assortment of 17 Hot Forged Sockets with 12-point openings and extra thin straight side walls.

Contents: 17 "Van-Chrome" Sockets Nos. S-112, $\frac{3}{8}$ "; S-114, $\frac{7}{16}$ "; S-116, $\frac{1}{2}$ "; S-118, $\frac{9}{16}$ "; S-119, $\frac{19}{32}$ "; S-120, $\frac{5}{8}$ "; S-121, $\frac{21}{32}$ "; S-122, $\frac{11}{16}$ "; S-124, $\frac{3}{4}$ "; S-125, $\frac{25}{32}$ "; S-126, $\frac{13}{16}$ "; S-128, $\frac{7}{8}$ "; S-130, $\frac{15}{16}$ "; S-132, 1"; S-134, $1\frac{1}{16}$ "; S-136, $1\frac{1}{8}$ "; S-140, $1\frac{3}{4}$ ".

SET NO. SA-70, in fibre box.

NET PRICE.....

STANDARD FLEX SET NO. 71 $\frac{1}{2}$ —12 PIECES

This Set carries No. S-13 Flexible Handle and T Bar S-33, and ten selected "Van-Chrome" Sockets.

Contents: 10 "Van-Chrome" 12-point Sockets Nos. S-114, $\frac{7}{16}$ "; S-116, $\frac{1}{2}$ "; S-118, $\frac{9}{16}$ "; S-120, $\frac{5}{8}$ "; S-121, $\frac{21}{32}$ "; S-122, $\frac{11}{16}$ "; S-124, $\frac{3}{4}$ "; S-126, $\frac{13}{16}$ "; S-128, $\frac{7}{8}$ "; S-130, $\frac{15}{16}$ ". Flexible Offset Handle No. S-13 and T Handle Bar S-33.

SET NO. SA-71 $\frac{1}{2}$ in metal box.

NET PRICE.....

SET No. SA-71 same as above in fibre box.

NET PRICE.....

STANDARD FLEX SET NO. 73 $\frac{1}{2}$ —18 PIECES

This popular set carries the extra long 18" Flexible Handle S-15 and the T Bar S-33. Also 16 Hot Forged 12-point Sockets with openings from $\frac{3}{8}$ " to $1\frac{1}{8}$ ".

Contents: 16 "Van-Chrome" Sockets Nos. S-112, $\frac{3}{8}$ "; S-114, $\frac{7}{16}$ "; S-116, $\frac{1}{2}$ "; S-118, $\frac{9}{16}$ "; S-119, $\frac{19}{32}$ "; S-120, $\frac{5}{8}$ "; S-121, $\frac{21}{32}$ "; S-122, $\frac{11}{16}$ "; S-124, $\frac{3}{4}$ "; S-125, $\frac{25}{32}$ "; S-126, $\frac{13}{16}$ "; S-128, $\frac{7}{8}$ "; S-130, $\frac{15}{16}$ "; S-132, 1"; S-134, $1\frac{1}{16}$ "; S-136, $1\frac{1}{8}$ ". 18" Flexible Offset Handle S-15 and T Bar S-33.

SET NO. SA-73 $\frac{1}{2}$ in metal box.

NET PRICE.....

SET No. SA-73, same as above in fibre box.

NET PRICE.....

STANDARD SOCKET SET NO. SA-72 $\frac{1}{2}$ —16 PIECES

An assortment that comprises 10 of the most popular sizes of Hot Forged Sockets and 6 lightweight Handle Units. It meets the needs of most mechanics and there is ample room in the substantial metal box for additional Sockets and Handles.

Contents: 10 "Van-Chrome" 12-point Sockets Nos. S-114, $\frac{7}{16}$ "; S-116, $\frac{1}{2}$ "; S-118, $\frac{9}{16}$ "; S-120, $\frac{5}{8}$ "; S-121, $\frac{21}{32}$ "; S-122, $\frac{11}{16}$ "; S-124, $\frac{3}{4}$ "; S-125, $\frac{25}{32}$ "; S-126, $\frac{13}{16}$ "; S-128, $\frac{7}{8}$ ". Reversible Ratchet No. S-10 New Improved Design, Speed Handle No. S-17; Sliding T Handle No. S-21; Extension 5" long No. S-27; Extension 10" long No. S-28 and Universal Joint No. S-35.

SET NO. SA-72 $\frac{1}{2}$, in metal box.

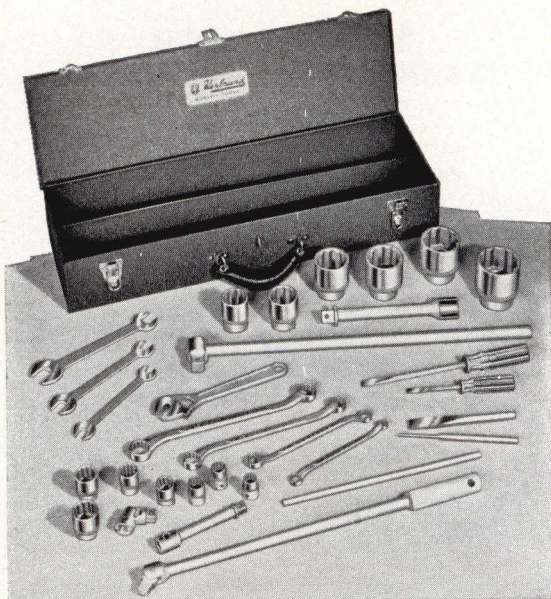
NET PRICE.....

SET NO. SA-72, same as above in fibre box.

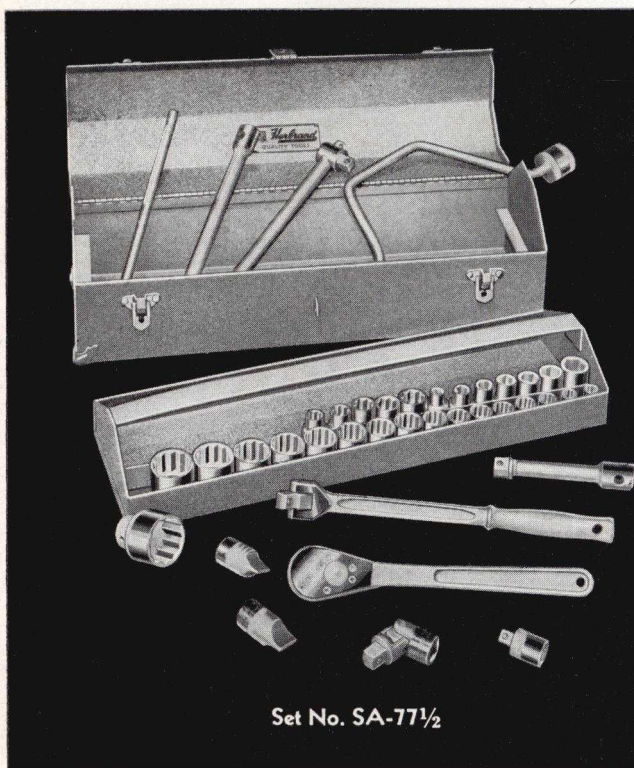
NET PRICE.....

TOOLS OF QUALITY

Herbrand
MADE IN CANADA



SET NO. TR-31



Set No. SA-77½

SET NO. SA-77½

Mechanics Popular Assortments

All Herbrand Socket Sets are complete for specific jobs. For the professional mechanic, who needs an extra large assortment of matched units, the sets listed on this page will be found more than adequate, and the roomy "hip roof" steel boxes provide space for special items as may be selected.

SPECIAL TRACTOR TOOL SETS For Gas and Diesel Tractors

Heavy investments in tractor equipment make it imperative that they be properly serviced with correct tools. Herbrand has carefully planned the most adequate sets obtainable, after exhaustive study of requirements for both gas and diesel types.

SET TR-31—31 PIECES

Incorporated in this basic set are the minimum number of tools necessary for adequate tractor service work. The sturdy metal box provides ample space for additional tools as the requirements demand.

CONTENTS

$\frac{3}{4}$ " DRIVE ITEMS: H-31 Sliding T Handle; H-29 Extension 8"; Six 12-point Heavy Duty Sockets, sizes $1\frac{1}{8}$ ", $1\frac{1}{4}$ ", $1\frac{1}{2}$ ", $1\frac{5}{8}$ ", $1\frac{3}{4}$ ", 2".

$\frac{1}{2}$ " DRIVE ITEMS: S-15 Flex Handle, 18"; S-27 Extension, 5"; S-35 Universal Joint; S-33 T Handle Bar. Seven 12-point Sockets, sizes $\frac{1}{2}$ ", $\frac{9}{16}$ ", $\frac{5}{8}$ ", $1\frac{1}{16}$ ", $\frac{3}{4}$ ", $\frac{7}{8}$ " and 1" openings.

ULTRA BOX WRENCHES: Four Long 30° Angle Pattern, sizes $\frac{3}{8}$ " and $\frac{7}{16}$ "; $\frac{1}{2}$ " and $\frac{9}{16}$ "; $\frac{5}{8}$ " and $1\frac{1}{16}$ "; $\frac{3}{4}$ " and $1\frac{3}{16}$ ".

OPEN END WRENCHES: Three sizes, $\frac{7}{16}$ " and $\frac{1}{2}$ "; $\frac{9}{16}$ " and $\frac{5}{8}$ "; $\frac{3}{4}$ " and $\frac{7}{8}$ ".

SCREW DRIVERS: 312-3"; 316-6".

MISCELLANEOUS ITEMS: No. 403 $\frac{1}{2}$ " x 6" Cold Chisel; No. 444, $\frac{3}{8}$ " x $6\frac{1}{2}$ " Punch; No. 21 8" Adjustable Open End Wrench.

NET PRICE, in metal box.....

STANDARD SOCKET SET NO. SA-77 $\frac{1}{2}$ —40 PIECES

This perfectly matched "Van-Chrome" Socket Set includes eleven carefully selected Handles and Attachments, seventeen Hot Forged 12-point Sockets, five 8-point Sockets and seven 6-point Sockets.

Contents: 17 "Van-Chrome" 12-point Sockets Nos. S-112, $\frac{3}{8}$ "; S-114, $\frac{7}{16}$ "; S-116, $\frac{1}{2}$ "; S-118, $\frac{9}{16}$ "; S-119, $1\frac{1}{32}$ "; S-120, $\frac{5}{8}$ "; S-121, $2\frac{1}{32}$ "; S-122, $1\frac{1}{16}$ "; S-124, $\frac{3}{4}$ "; S-125, $2\frac{5}{32}$ "; S-126, $1\frac{13}{16}$ "; S-128, $\frac{7}{8}$ "; S-130, $1\frac{15}{16}$ "; S-132, 1"; S-134, $1\frac{1}{16}$ "; S-136, $1\frac{1}{8}$ "; S-140, $1\frac{1}{4}$ ".

5 "Van-Chrome" 8-point Sockets Nos. S-212, $\frac{3}{8}$ "; S-214, $\frac{7}{16}$ "; S-216, $\frac{1}{2}$ "; S-218, $\frac{9}{16}$ "; S-220, $\frac{5}{8}$ ".

7 "Van-Chrome" 6-point Sockets Nos. S-612, $\frac{3}{8}$ "; S-614, $\frac{7}{16}$ "; S-616, $\frac{1}{2}$ "; S-618, $\frac{9}{16}$ "; S-620, $\frac{5}{8}$ "; S-622, $1\frac{1}{16}$ "; S-624, $\frac{3}{4}$ ".

Reversible Ratchet No. S-10; 12" Flexible Offset Handle No. S-13; Speed Handle No. S-17; Sliding T Handle No. S-21; Extension 5" long No. S-27; Extension 10" long No. S-28; T Bar Handle No. S-33; Universal Joint No. S-35; Drag Link Sockets No. S-37, $\frac{3}{4}$ " and No. S-39, 1"; Socket Adapter No. A-390, $\frac{3}{8}$ " male, $\frac{1}{2}$ " female.

SET NO. SA-77 $\frac{1}{2}$, in "Hip Roof" metal box. Weight 17 lbs. 12 ozs.

NET PRICE.....



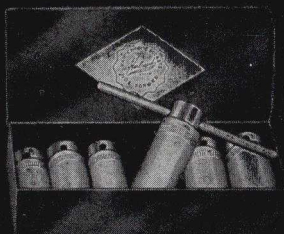
Nos. DS-16 to DS-36



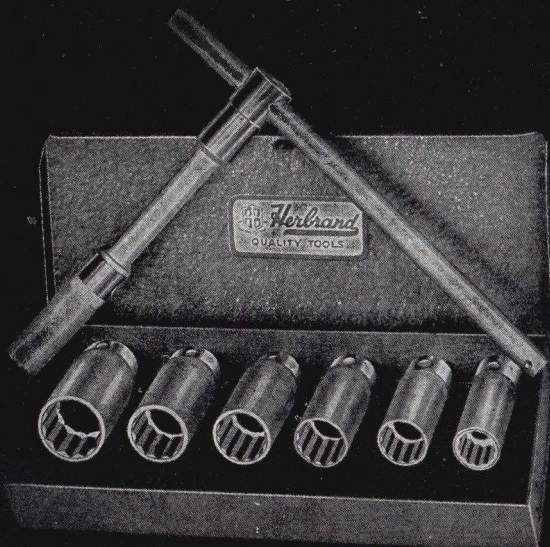
No. 141



No. S-26



Set No. DS-7½



No. DS-10½

Extra Deep Socket and Spark Plug Wrenches

$\frac{1}{2}$ " Square Drive—Thin Straight Walls

Hot Forged from Chrome Molybdenum Steel

In addition to fitting all spark plugs these Extra Deep Sockets are invaluable for work on body bolts, spring clips and many other places where an extra long reach is necessary. Designed with $\frac{1}{2}$ " square drive opening for use with standard handles and cross drilled so that a sliding T bar may be used. Hot Forged and heat treated to impart unbreakable strength. The side walls are straight and thin for clearance and the 12-point openings are smooth and deep, insuring an accurate, positive fit. Knurled, chrome plated and polished.

Number	Openings	Length	Net Price Each
DS-16	$\frac{1}{2}$	3	
✦DS-18	$\frac{9}{16}$	3	
xDS-20	$\frac{5}{8}$	3	
*DS-22	$\frac{11}{16}$	3	
DS-24	$\frac{3}{4}$	3	
△DS-26	$\frac{15}{16}$	3	
DS-28	$\frac{7}{8}$	$3\frac{1}{4}$	
†DS-28B	$\frac{57}{64}$	$3\frac{1}{4}$	
DS-30	$\frac{15}{16}$	$3\frac{1}{4}$	
‡DS-32	1	$3\frac{1}{4}$	
¶DS-36	$1\frac{1}{8}$	$3\frac{1}{4}$	

✦ Fits A.C. 10 mm Plugs. x For 1941 10 mm in Buick, Cadillac, Chevrolet, Packard, also A.C. 10 mm plugs 1941. *For Champion and Auto-Lite 10 mm Plugs. △Fits 14 mm Plugs. †Extra Thin for Buick up to and including 1940. ‡Fits 18 mm Plugs. ¶For Ford A and 1932 V-8.

SPARK PLUG WRENCH SETS

Recessed spark plugs on modern motors make these Extra Deep Sockets an absolute necessity. The extra depth and thin walls reach easily and turn plugs in the tightest places. The accurate, clean 12-points assure a firm, snug fit eliminating the danger of cracked porcelains or mutilated plugs.

SET No. DS-7 $\frac{1}{2}$ contains one each DS-26, DS-28, DS-28B, DS-30, DS-32, DS-36, DSH-6 T Handle Bar. NET PRICE, No. DS-7 $\frac{1}{2}$, in metal box. Weight $3\frac{3}{4}$ lbs.....

Set No. DS-7, same as above in cardboard carton.....

SET No. DS-10 $\frac{1}{2}$, one each DS-20, DS-22, DS-26, DS-28B, DS-30, DS-32, and DS-36 Spark Plug Wrenches. S-27 Extension 5", S-21 Sliding T Handle 11". Total of 9 pieces. NET PRICE, in metal box. Weight 5 lbs. 4 ozs.....

Set No. DS-10, same as above in cardboard carton.....

SET No. DS-13 $\frac{1}{2}$. A De Luxe deep socket set designed to service spark plugs and for general purpose work. Contains one each of the following: Deep Sockets DS-20, $\frac{5}{8}$ "; DS-22, $\frac{11}{16}$ "; DS-26, $\frac{13}{16}$ "; DS-28, $\frac{7}{8}$ "; DS-30, $\frac{15}{16}$ "; DS-32, 1"; also reversible ratchet No. S-10 and 5" extension No. S-27. NET PRICE, complete in metal box.....

Set No. DS-13, same as above in cardboard carton.....

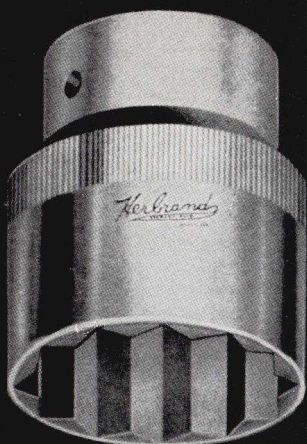
SPARK PLUG HOLE THREAD CHASER No. 141

The threads in spark plug holes on aluminum heads are easily crossed, stripped or clogged, making it very difficult to replace spark plugs with a tight fit. This double end 14 mm and 18 mm Thread Chaser should be used whenever changing spark plugs to remove dirt, corrosion and realign crossed threads to insure perfectly fitting plugs.

Sized for 14 and 18 metric threads. Length $3\frac{1}{2}$ ". Weight 5 ozs.
NET PRICE, each.....



H-11



H-128 to H-172



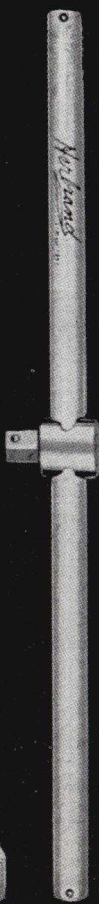
H-29



H-25



H-31



H-21



H-33



H-15

Heavy Duty Series Sockets

$\frac{3}{4}$ " Square Drive—Thin Straight Walls

Hot Forged from Chrome Molybdenum Steel

Engineered and designed to perform the most strenuous work on large diameter nuts where extra strength and safety are vital. Unnecessary bulk, weight and clumsiness are eliminated. Equipped with a safety snap, lock-on feature. Heat treated for brute strength. Chrome plated, polished walls.

12-POINT SOCKETS

Number	Openings	Height	Price Each
H-128	$\frac{7}{8}$	$1\frac{7}{8}$	
H-130	$1\frac{1}{16}$	$1\frac{7}{8}$	
H-131	$1\frac{1}{8}$	$1\frac{7}{8}$	
H-132	1	$1\frac{15}{16}$	
H-134	$1\frac{1}{16}$	2	
H-136	$1\frac{1}{8}$	$2\frac{1}{16}$	
H-138A	$1\frac{3}{16}$	$1\frac{15}{16}$	
H-140	$1\frac{1}{4}$	$2\frac{3}{16}$	
H-142	$1\frac{5}{16}$	$2\frac{1}{4}$	
H-144	$1\frac{3}{8}$	$2\frac{5}{16}$	
H-146	$1\frac{7}{16}$	$2\frac{3}{8}$	
H-148	$1\frac{1}{2}$	$2\frac{7}{16}$	
H-152	$1\frac{5}{8}$	$2\frac{1}{2}$	
H-154	$1\frac{11}{16}$...	
H-156	$1\frac{3}{4}$	$2\frac{5}{8}$	
H-158	$1\frac{13}{16}$	$2\frac{3}{4}$	
H-160	$1\frac{7}{8}$	$2\frac{7}{8}$	
H-164	2	$3\frac{1}{8}$	

Heavy Duty Handles

$\frac{3}{4}$ " Square Drive—Extra Strong and Rigid

No.	Descriptions	Net Each
H-11	NEW REVERSIBLE RATCHET HANDLE. Features the latest improved mechanism used in all Herbrand Reversible Ratchets. Rugged, yet with slender lines, it concentrates tremendous power at the ratchet end for safely breaking loose the most stubborn and corroded nuts. Assures maximum speed. Reversible in action it works from a full turn to $1/36$ th of a circle. Length 21". NET PRICE.....	
H-15	FLEXIBLE OFFSET HANDLE. Surplus power, distinctive advantages of working efficiency and more speed are featured. A friction spring plunger holds the hinged drive at any angle desired. The knurled handle is cross drilled for insertion of the spinning T Bar No. H-33 which is sold as a unit with the handle. 21" long. NET PRICE.....	
H-21	SLIDING T HANDLE. The forged head slides flush to the ends for use as an offset wrench and a friction ball holds the head firmly at any point. 20" long. NET PRICE.....	

HEAVY DUTY EXTENSIONS

All Extensions are forged solid. The $\frac{3}{4}$ " heads are equipped with a retaining hole for positive locking to the Handles. The opposite ends are forged with an offset shoulder which provides a positive socket stop.

No.	Description	Net Each
No. H-25	EXTENSION, 4" long. NET PRICE.....	
H-29	EXTENSION, 8" long. NET PRICE.....	
H-31	EXTENSION, 16" long. NET PRICE.....	
H-33	T HANDLE BAR, 20" long. NET PRICE.....	

Refer to page 30 for Heavy Duty $\frac{3}{4}$ " Drive Socket Sets

Heavy Duty Series "Van-Chrome" Socket Sets

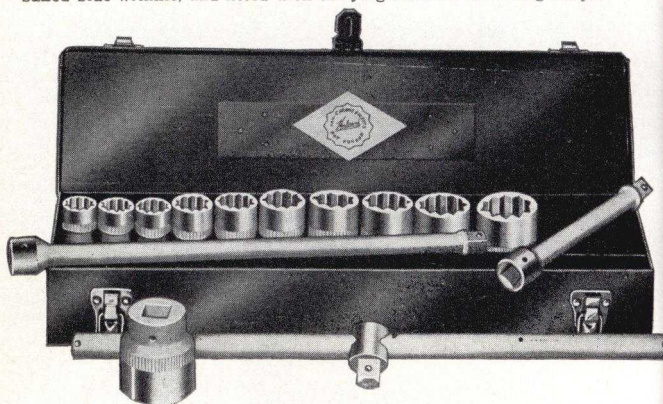
$\frac{3}{4}$ " Square Drive

Every thoroughly equipped mechanic needs a complete set of "Van-Chrome" Heavy Duty Sockets. These large diameter sockets have many applications and are essential for truck, bus, tractor and industrial work. They are also needed for work on farm and power machinery, road building equipment and all heavy machinery units.

The "Van-Chrome" Heavy Duty Socket line insures faster and easier work because it is designed for maximum handling efficiency. All unnecessary weight and clumsiness has been dispensed with. The sockets have straight walls and even though very thin they can be depended upon to give uninterrupted service under the most strenuous conditions. These 12-point sockets cannot slip from the handle end because they are equipped with lock-on feature which securely holds them in place.

Sockets and Handle Attachment are Hot Forged from a special analysis Chrome Molybdenum Steel and are heat treated all the way through. Hand-somely finished in Herbrand's lustrous chrome plate with highly buffed side walls.

The tool boxes are constructed of heavy gauge steel, finished indurable baked blue wrinkle, and fitted with carrying handle and locking clasps.



HEAVY DUTY SOCKET SET NO. HA-80 $\frac{1}{2}$

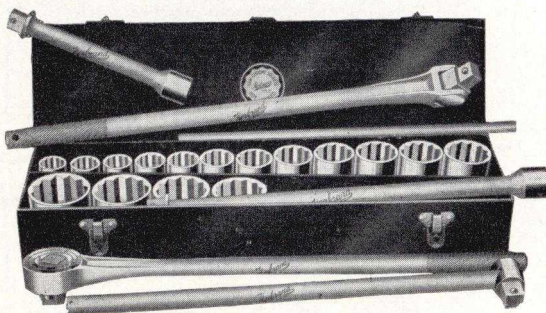
Contents, total of 14 pieces: 11 "Van-Chrome" Heavy Duty Nos. Sockets H-128, $\frac{7}{8}$ "; H-130, $\frac{15}{16}$ "; H-132, 1"; H-134, $1\frac{1}{16}$ "; H-136, $1\frac{1}{8}$ "; H-138A $1\frac{3}{16}$ "; H-140, $1\frac{1}{4}$ "; H-144, $1\frac{5}{8}$ "; H-146, $1\frac{7}{16}$ "; H-148, $1\frac{1}{2}$ "; H-152, $1\frac{5}{8}$ ". Sliding T Handle No. H-21. Extensions No. H-29 and No. H-31.

SET NO. HA-80, in fibre box. Weight 11 lbs.

NET PRICE, complete.....

SET NO. HA-80 $\frac{1}{2}$, in metal box. Weight 16 lbs.

NET PRICE, complete.....



HEAVY DUTY SOCKET SET NO. HA-82 $\frac{1}{2}$

Contents, total of 22 pieces: 16 "Van-Chrome" Heavy Duty Sockets with 12-point openings Nos. H-128, $\frac{7}{8}$ "; H-130, $\frac{15}{16}$ "; H-132, 1"; H-134, $1\frac{1}{16}$ "; H-136, $1\frac{1}{8}$ "; H-138A, $1\frac{3}{16}$ "; H-140, $1\frac{1}{4}$ "; H-142, $1\frac{5}{16}$ "; H-144, $1\frac{3}{8}$ "; H-146, $1\frac{7}{16}$ "; H-148, $1\frac{1}{2}$ "; H-152, $1\frac{5}{8}$ "; H-156, $1\frac{3}{4}$ "; H-158, $1\frac{13}{16}$ "; H-160, $1\frac{7}{8}$ " and H-164, 2". 6 Heavy Duty Handles: Ratchet No. H-11; Flex Handle No. H-15 and Spinning T Bar; Sliding T Handle No. H-21 and 2 Extensions Nos. H-29 8" long and H-31 16".

SET NO. HA-82, in fibre box. Weight 28 lbs.

NET PRICE, complete.....

SET NO. HA-82 $\frac{1}{2}$, in metal box. Weight 36 lbs.

NET PRICE, complete.....

J-9 SPEEDRATCHET

Easily reaches hard to get at places. Fits any $\frac{3}{8}$ " drive socket.

The compact and unique construction of the Herbrand Speedratchet provides greater clearance of obstructions and works efficiently in small spaces. At least four tools in one, it is a Minimum Clearance Speeder—a Ratchet and Extension, a Counterbalanced Spinner, and a Palm-Grip Ratchet T-Handle—all in one efficient tool . . . and it's rugged too.

Speedratchet has been thoroughly tested in many shops by professional mechanics and everywhere has won unanimous and enthusiastic approval. It has an unlimited variety of uses and every mechanic finds new ways to use it on the job.

Made from triple alloy steel, beautiful in brilliant chrome plate and Herbrand blue band grips of the tough new, fire resistant plastic. The counter-balanced handle has a comfortable hand-fit contour.

MECHANICS' NET PRICE.....



For a quick ratcheting action to loosen or tighten use the new comfortable Palm-Grip.



Counterbalanced for spinning action, runs nuts or bolts freely with the flip of a finger.



For speeding on or off even where conventional speeders won't work use as speeder with or without ratchet action.

J-8 RATCH-A-DAPTER $\frac{3}{8}$ " Drive

These compact adaptors are instantly reversible by simple ring shift with no protruding lever to jam or break off. Made of special, extra tough alloy steel with 20 teeth and fewer parts for rugged strength. Positive action prevents slipping and will hold in any position. Bright chrome plated. Sealed to keep out dust and grit.

NO. J-8, fits any $\frac{3}{8}$ " drive. Width $1\frac{1}{8}$ ", length $1\frac{7}{8}$ ", weight $5\frac{1}{2}$ oz.

MECHANICS' NET PRICE.....



HOLDIT-SOCKETS

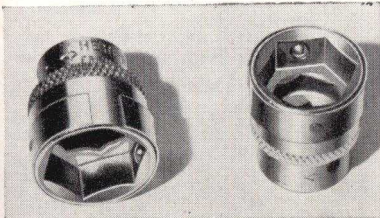
Two spring tension pins in socket wall. Grasps nuts, studs and bolts firmly for starting or removing. High temper spring lasts a lifetime. Sockets are standard Van-Chrome quality.

NO. JC-624, $\frac{3}{4}$ " 6-point opening.

MECHANICS' NET PRICE.....

NO. JC-622, $1\frac{1}{16}$ " 6-point opening.

MECHANICS' NET PRICE.....



**The
Royal DeLuxe Chest No. MC-105C
with 100 Improved Tools**

Streamline Design—Welded Construction



*Seven Spill-proof Drawers that operate smoothly on Compound Slides—
No Sagging or Binding*

The DeLuxe Chest illustrated is the result of a careful study of the modern mechanic's requirements. It incorporates all of the best features found in other chests plus many new ideas that increase the efficiency of the mechanic and effect a real saving in time, temper and loss of expensive tools. The Patented, Easy-gliding Drawer feature which operates on strong Compound Slides, avoids all binding, insures free movement of drawers even when loaded, and provides a spill-proof stop.

The seven drawers have been planned to provide a convenient size for every piece of hand tool equipment. The two shallow, felt-lined drawers are ideal for precision instruments. The top of the Chest nests a handy Tote Tray which has dividers for segregating tools. This is the same Chest described on page 32 and fits on top of the MB-5 Royal DeLuxe Rollway. Size of Chest, 26" long, 12" deep, 14³/₄" high.

NO. MC-105C Chest and 100 Tools (tools listed on page 35). Weight, 94 lbs.

NET PRICE, Complete, Chest and Tools.....

NO. MC-5 Chest only.

NET PRICE.....

Contents, Specifications, Magic Chests, MC-105T, 105C and 105CR

A Complete Tool Room of the 100 Most Essential Tools

JUNIOR SERIES SOCKETS AND HANDLES— $\frac{3}{8}$ " DRIVE

- 7 twelve-point, straight, thin wall Sockets: Nos. J-112, $\frac{3}{8}$ "; J-114, $\frac{7}{16}$ "; J-116 $\frac{1}{2}$ "; J-118, $\frac{9}{16}$ "; J-120, $\frac{5}{8}$ "; J-122, $\frac{11}{16}$ "; J-124, $\frac{3}{4}$ ".
- 3 eight-point, thin wall Sockets: Nos. J-212, $\frac{3}{8}$ "; J-214, $\frac{7}{16}$ "; J-216, $\frac{1}{2}$ ".
- 2 Extra Deep 12-point Sockets: Nos. J-416, $\frac{1}{2}$ ", and J-418, $\frac{9}{16}$ ".
- No. J-10 Improved Reversible Ratchet; J-13 Flexible Offset Handle; J-17 Speed Handle; J-27 Extension 5" long; J-35 Universal Joint; J-39 Screw Driver Socket; J-33 Sliding T Bar.

$\frac{1}{2}$ " DRIVE—STANDARD SERIES SOCKETS & HANDLES

- 15 twelve-point, straight, thin wall Sockets: Nos. S-112, $\frac{3}{8}$ "; S-114, $\frac{7}{16}$ "; S-116, $\frac{1}{2}$ "; S-118, $\frac{9}{16}$ "; S-119, $\frac{19}{32}$ "; S-120, $\frac{5}{8}$ "; S-121, $\frac{21}{32}$ "; S-122, $\frac{11}{16}$ "; S-124, $\frac{3}{4}$ "; S-125, $\frac{25}{32}$ "; S-126, $\frac{13}{16}$ "; S-128, $\frac{7}{8}$ "; S-130, $\frac{15}{16}$ "; S-131, $\frac{31}{32}$ "; and S-132, 1".
- 3 eight-point, thin wall Sockets: Nos. S-216, $\frac{1}{2}$ "; S-218, $\frac{9}{16}$ "; S-220, $\frac{5}{8}$ ".
- 3 Extra Deep Sockets: DS-26, $\frac{13}{16}$ "; DS-28, $\frac{7}{8}$ "; and DS-32, 1".
- Socket Extension Adaptor No. A-390, $\frac{3}{8}$ " x $\frac{1}{2}$ ", and No. A-391, $\frac{1}{2}$ " x $\frac{3}{8}$ ".
- No. S-10 Improved Reversible Ratchet with 28 teeth; S-13 Flexible Offset Handle; S-17 Speeder Handle; S-27 Extension 5" long; S-28 Extension with swivels pinning grip, 10" long; S-33 T Handle Bar; S-35 Short Coupled Universal Joint; S-39 Drag Link Socket.

$\frac{3}{4}$ " DRIVE—HEAVY DUTY SERIES SOCKETS & HANDLES

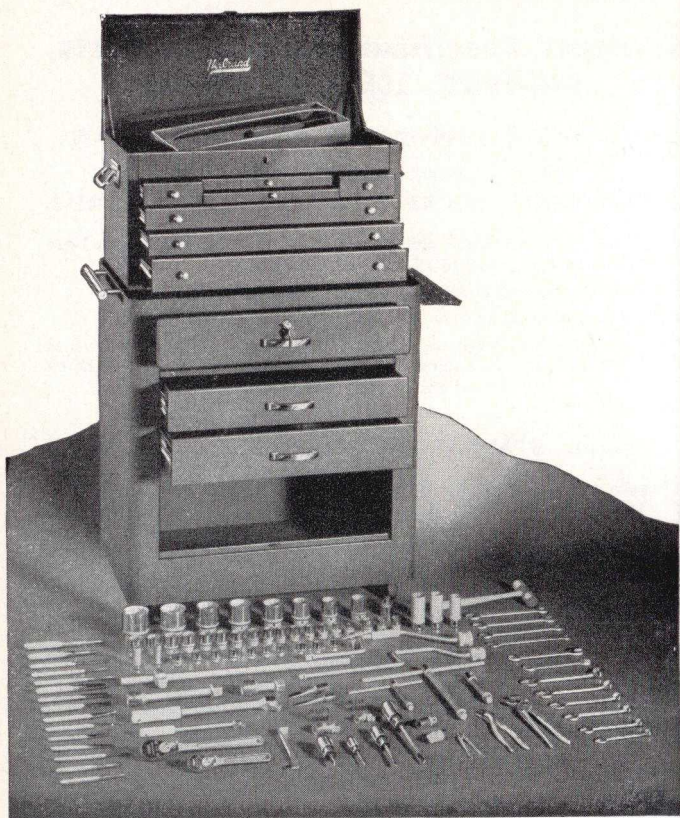
- 8 twelve-point, straight, wall Sockets: Nos. H-134, $1\frac{1}{16}$ "; H-136, $1\frac{1}{8}$ "; H-140, $1\frac{1}{4}$ "; H-144, $1\frac{3}{8}$ "; H-146, $1\frac{7}{16}$ "; H-148, $1\frac{1}{2}$ "; H-156, $1\frac{3}{4}$ "; H-158, $1\frac{13}{16}$ ".
- No. H-21 Sliding T Handle 20" long; H-25 Extension 4" long; H-29 Extension 8" long; and No. A-393 Extension Adaptor Plug, $\frac{1}{2}$ " and $\frac{3}{4}$ ".

MISCELLANEOUS TOOLS

- 6 Multitype Combination Box and Open End Wrenches: No. 1214, $\frac{7}{16}$ "; 1216 $\frac{1}{2}$ "; 1218, $\frac{9}{16}$ "; 1220, $\frac{5}{8}$ "; 1222, $\frac{11}{16}$ "; and 1224, $\frac{3}{4}$ ".
- 15 "Van-Chrome" Assorted Punches and Chisels as follows: Flat Chisels Nos. 401, $\frac{5}{16}$ " x 5"; 402, $\frac{3}{8}$ " x 6"; 403, $\frac{1}{2}$ " x 6". Cape Chisels, Nos. 410, $\frac{5}{16}$ " x 5"; 412, $\frac{1}{2}$ " x 6". Gouge Chisel No. 421, $\frac{3}{8}$ " x 6". Diamond Point Chisel No. 431, $\frac{3}{8}$ " x 6". Pin Punches, Nos. 443, $\frac{5}{16}$ " x 6"; 444, $\frac{3}{8}$ " x $6\frac{1}{2}$ "; 445, $\frac{3}{8}$ " x $6\frac{7}{8}$ "; 446, $\frac{3}{8}$ " x 7". Solid Punches, Nos. 451, $\frac{3}{8}$ " x 5"; 452, $\frac{1}{2}$ " x 6"; and 453, $\frac{5}{8}$ " x 7". Center Punch No. 471, $\frac{3}{8}$ " x 5".
- Open End Wrenches: Nos. 1723, $\frac{3}{8}$ " x $\frac{7}{16}$ "; 1725B, $\frac{1}{2}$ " and $\frac{9}{16}$ "; Special 1027B $\frac{5}{8}$ " x $1\frac{1}{16}$ ".
- Protectogrip Insulated Handle Screw Drivers as follows: Nos. 310, 2" blade, 312, 3" blade; 315, $1\frac{1}{4}$ " blade; 316, 6" blade. No. 354 Offset Screw Driver, $6\frac{1}{2}$ " long.
- Tappet Wrenches: 2 each of No. H-2 with $\frac{1}{2}$ " and $\frac{9}{16}$ " openings and No. H-3 with $\frac{5}{8}$ " and $1\frac{1}{16}$ " openings.
- Special Pliers: No. 166 $\frac{1}{2}$ -S Improved Water Pump and General Service Plier; No. 179 Battery Plier; No. 167 Midget Ignition Plier.
- No. 652 and Protectotip Hammers.
- 820 Stud Remover.

NO. MC-105T. Tools, as listed above. Weight 62 lbs.

NET PRICE, tools only.....



The Royal DeLuxe Rollway Workshop Model No. MC-105

Ten Practical Drawers that glide smoothly, in or out, on *Patented Compound Slides*, even when fully loaded. Drawer Slides are extra strong and will not sag or break down. Drawer stops are placed to permit full opening, clear view and quick access to all tools.

The Extra Large Chest No. MC-5 contains Seven Drawers of various sizes to accommodate all necessary hand tools and precision instruments. The New, Larger Rollway No. MB-5 has Three Extra Size Drawers for heavy duty tools. Solid welded construction insures permanent rigidity under severe every day usage. Shipped completely set up—nothing to assemble.

Both Chest and Rollway have Sliding Front Panels that disappear when open, but conceal and lock the tool drawers securely when closed. Fitted with easy-running, Ball Bearing, Swivel Casters; a convenient Handle for moving from job to job, and a removable Valve Stem Tray.

The roomy Chest has drop handles for removal from the Rollway if desired. A handy Tote Tray, $18\frac{5}{8}" \times 8" \times 1\frac{3}{4}"$, fits into the top of the Chest and is subdivided to keep tools in order. Finished in rust proof, blue wrinkle enamel—chrome plated fittings. Chest MC-5 and Rollway MB-5 may be purchased individually or as a unit.

NO. MC-5 Chest. 26" long, 12" deep, $14\frac{3}{4}"$ high. Seven drawers of various depths and sizes for grouping and quick selection of tools. Tote Tray $18\frac{5}{8}" \times 8" \times 1\frac{3}{4}"$. Net weight, 61 lbs.

NET PRICE, Chest only

NO. MB-5 Rollway. $27\frac{1}{2}" \times 18\frac{1}{2}" \times 31"$ high. Three capacious drawers for general service tools; platform shelf for storage of heavy duty tools. Net weight, 85 lbs.

NET PRICE, Rollway only

NO. MC-105CR Combination. Chest, Rollway and 101 Tools (tools listed on page 35). Weight, 180 lbs.

NET PRICE, Complete—Chest, Rollway and Tools.....

Prices subject to change without notice.



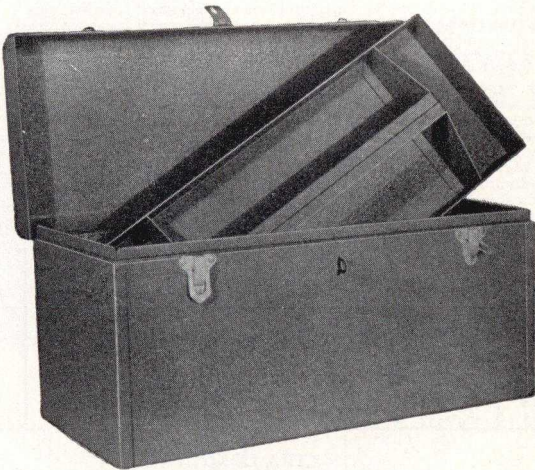
No. JL-10 Gable Top Box

With Lift Out Tote Tray

The heavy duty construction of the JL-10 Box sets it apart from ordinary boxes of this popular design. 22 gauge steel is used in the sides with 18 gauge steel in the ends providing rigidity seldom found in a box of this type. The corners are protected by heavy corner brackets welded to the box and there are no bolts or rivets used in its construction. All joints and seams are electrically welded so they won't loosen up. The cover works freely on a heavy continuous steel hinge.

A comfortable suitcase type handle provides for easy handling.
The removable tool tray has a divider for sockets and a handle for carrying.
Finished in crackle black enamel.
Dimensions over all 19" x 7¼" x 9".
Net weight 11 lbs.

NET PRICE, complete with tote tray.....

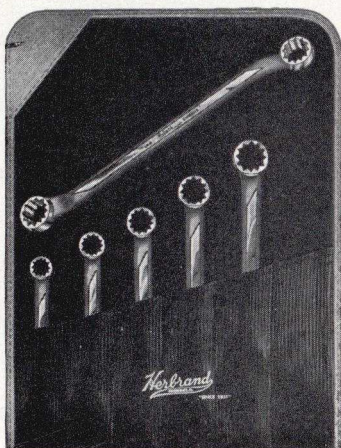
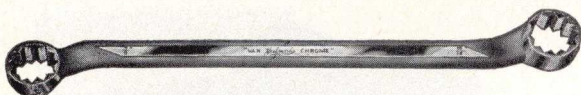


Mechanic's Kit, No. JL-17

An all purpose streamlined kit with rounded corner cover. Electrically welded seams throughout. Added features include two heavy suitcase bolts, hasp and staple, and substantial handle for convenient carrying. Full size lift-out tray with formed handle and three compartments providing additional space. Finished in deep green baked wrinkle enamel.

SIZE—20" x 8½" x 9½". Weight 12 pounds.

JL-17. Net price ea.....



SET NO. 3901

"Van-Chrome" Ultra Box Wrenches

Modern—Improved—Specially Angled—Panelled Handles

Drop Forged from Chrome Vanadium Steel

Ultra in name, ultra in modern design, these wrenches are the utmost in versatility and offer the broadest scope of service. Herbrand introduces them after working extensively with mechanics in order to develop a box wrench to the highest degree of perfection, which would be more efficient and better adapted to the service of modern cars.

Low and close clearances offer no difficulties of accessibility, because the heads are distinctively angled at approximately 30 degrees. This new angle assures perfect clearance for both knuckles and head bolts, but retains sufficient offset to reach countersunk or imbedded nuts with ample leverage for a strong pull and without any possibility of tilting. The extremely thin side walls of the 12-point openings are machined to exacting tolerances to snugly fit bolt heads or nuts for which they are sized. Chamfered both top and bottom, so that either side may be used with equal facility, they locate and engage automatically.

Painstakingly engineered to a very definite formula for perfect graduation and balance of length, size openings and clearance on to-day's compact motors. Beauty of appearance and perfect comfort of grip have been combined in the raised bar design which readily marks them as quality tools of distinction.

Individually drop forged from the finest Chrome Vanadium Steel and scientifically heat treated for lifetime service. Handsomely triple plated in lustrous chrome with heads polished to mirror brightness.

Wrench No.	Size Openings	For U.S. Std. Nuts	For Hex. Cap Screws	For S.A.E. Nuts and Cap Screws	Length	Net Price Each
3923	$\frac{3}{8}$ & $\frac{7}{16}$	.....	$\frac{3}{16}$ & $\frac{1}{4}$	..... $\frac{1}{4}$	6 $\frac{1}{2}$	
3925	$\frac{1}{2}$ & $\frac{9}{16}$	$\frac{1}{4}$	$\frac{5}{16}$ & $\frac{3}{8}$	$\frac{5}{16}$ & $\frac{3}{8}$	7 $\frac{9}{16}$	
3927	$\frac{9}{16}$ & $\frac{5}{8}$	.....	$\frac{3}{8}$ & $\frac{7}{16}$	$\frac{3}{8}$ & $\frac{7}{16}$	8 $\frac{5}{8}$	
3929	$\frac{5}{8}$ & $\frac{11}{16}$	..... $\frac{3}{8}$	$\frac{7}{16}$	$\frac{7}{16}$	9 $\frac{11}{16}$	
3931	$\frac{3}{4}$ & $\frac{13}{16}$	1.....	$\frac{1}{2}$ & $\frac{9}{16}$	$\frac{1}{2}$	10 $\frac{7}{8}$	
3933	$\frac{7}{8}$ & $\frac{15}{16}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{9}{16}$ & $\frac{5}{8}$	12 $\frac{1}{4}$	
3934	$\frac{3}{4}$ x $\frac{15}{16}$	.....	.....	.....	....

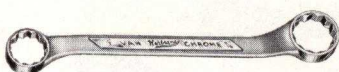
EXTRA LONG

*3935	1 & $1\frac{1}{16}$	..... $\frac{5}{8}$	$\frac{3}{4}$	$1\frac{1}{16}$ & $\frac{3}{4}$	16	
*3937	$1\frac{1}{8}$ & $1\frac{1}{4}$	..... $\frac{3}{4}$	$\frac{7}{8}$ & 1	..... $\frac{7}{8}$	18	
*3938	$1\frac{5}{16}$ & $1\frac{3}{8}$	.....	$1\frac{1}{8}$.....	.....	20	
*3939	$1\frac{7}{16}$ & $1\frac{1}{2}$	$\frac{7}{8}$.....	.... $1\frac{1}{4}$	1.....	20	

*Do not have embossed panel design.

SET NO. 3901 contains 6 wrenches, one each of 3923 to 3933 inclusive.

NET PRICE, in fibre box.....
NET PRICE, in leatherette roll.....



"Van-Chrome" Ultra Box Wrenches

Improved Short Offset Pattern
Panelled Handles

*Drop Forged from Chrome
Vanadium Steel*

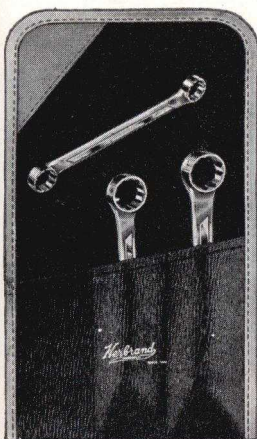
Another Ultra Box Wrench with modified offset heads, which is extremely practical and necessary for awkwardly placed nuts where the turning radius is limited. Distinguished by the panelled handles and refined engineering features, this wrench is precision built from the finest Chrome Vanadium Steel and attractively finished in two-tone chrome with heads polished to a high lustre.



SET NO. 4920

Wrench No.	Size Openings	For U.S. Std. Nuts	For Hex. Cap Screws	For S.A.E. Nuts and Cap Screws	Length	Net Price Each
4923	$\frac{3}{8}$ & $\frac{7}{16}$	.....	$\frac{3}{16}$ & $\frac{1}{4}$	..... $\frac{1}{4}$	$4\frac{1}{2}$	
4925	$\frac{1}{2}$ & $\frac{9}{16}$	$\frac{1}{4}$	$\frac{5}{16}$ & $\frac{3}{8}$	$\frac{5}{16}$ & $\frac{3}{8}$	$5\frac{1}{4}$	
4927	$\frac{5}{8}$ & $\frac{11}{16}$	..... $\frac{3}{8}$	$\frac{7}{16}$	$\frac{7}{16}$	6	

SET NO. 4920 contains one each of the above. Weight 10 ozs.
NET PRICE, in box..... in leatherette pouch.....



SET NO. 6920



"Van-Chrome" Ultra Box Wrenches

Improved 15° Angle Pattern
Panelled Handles

*Drop Forged from Chrome
Vanadium Steel*

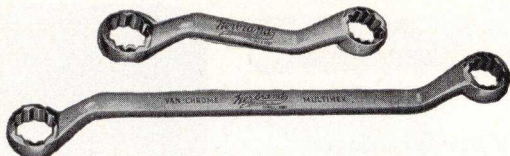
This new 15° angle design is a distinct engineering improvement; has slim, graceful lines, maximum accessibility, is faster in service and easier to handle.

Careful drop forging from select Chrome Vanadium Steel, expert heat treatment, precision machined and panelled handles immediately identify these Ultra Box Wrenches as super-quality tools of distinction. Triple plated in a two-tone chrome with the heads highly polished.

Wrench No.	Size Openings	For U.S. Std. Nuts	For Hex. Cap Screws	For S.A.E. Nuts and Cap Screws	Length	Net Price Each
6923	$\frac{3}{8}$ & $\frac{7}{16}$	.....	$\frac{3}{16}$ & $\frac{1}{4}$	..... $\frac{1}{4}$	$4\frac{1}{4}$	
6925	$\frac{1}{2}$ & $\frac{9}{16}$	$\frac{1}{4}$	$\frac{5}{16}$ & $\frac{3}{8}$	$\frac{5}{16}$ & $\frac{3}{8}$	5	
6927	$\frac{5}{8}$ & $\frac{11}{16}$	..... $\frac{3}{8}$	$\frac{7}{16}$	$\frac{7}{16}$	$5\frac{3}{4}$	

SET NO. 6920 contains one each of the above. Weight 8 ozs.
NET PRICE, in box..... in leatherette pouch.....

FOR MIDGET SIZE BOX WRENCHES SEE PAGE 51



"Van-Chrome" Multihex Box Wrenches

45° Offset Patterns

Drop Forged from Chrome Molybdenum Steel

Refinements of speed, efficiency and moderate price make these wrenches highly acceptable. They have different twelve-point graduated openings in each end, and the abrupt offset of the heads reaches sunken nuts and gets around obstructions. The extra thin side walls and generous leverage have also contributed to their universal approval. Heat treated their entire length to insure dependable service. Finished in velvety smooth chrome plate with heads brightly polished.

SHORT OFFSET PATTERN

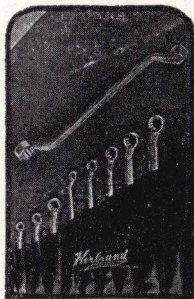
Wrench No.	Openings Broached	For U.S. Std. Nuts	For Hex. Cap Screws	For S.A.E. Std. Nuts and Cap Screws	Length	Net Price Each
4723	$\frac{3}{8}$ & $\frac{7}{16}$	.....	$\frac{3}{16}$ & $\frac{1}{4}$	..... $\frac{1}{4}$	4 $\frac{1}{2}$	
4725B	$\frac{1}{2}$ & $\frac{9}{16}$	$\frac{1}{4}$	$\frac{5}{16}$ & $\frac{3}{8}$	$\frac{5}{16}$ & $\frac{3}{8}$	5 $\frac{1}{4}$	
4727A	$\frac{5}{8}$ & $\frac{11}{16}$	..... $\frac{3}{8}$	$\frac{7}{16}$	$\frac{7}{16}$	6	

LONG OFFSET PATTERN

3723	$\frac{3}{8}$ & $\frac{7}{16}$	.....	$\frac{3}{16}$ & $\frac{1}{4}$	..... $\frac{1}{4}$	8 $\frac{1}{2}$	
3725B	$\frac{1}{2}$ & $\frac{9}{16}$	$\frac{1}{4}$	$\frac{5}{16}$ & $\frac{3}{8}$	$\frac{5}{16}$ & $\frac{3}{8}$	9	
3727	$\frac{9}{16}$ & $\frac{5}{8}$	.....	$\frac{3}{8}$ & $\frac{7}{16}$	$\frac{3}{8}$ & $\frac{7}{16}$	9 $\frac{3}{4}$	
3727A	$\frac{5}{8}$ & $\frac{11}{16}$	..... $\frac{3}{8}$	$\frac{7}{16}$	$\frac{7}{16}$	9 $\frac{3}{4}$	
3729A	$\frac{3}{4}$ & $\frac{25}{32}$	..... $\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	11	
3731B	$\frac{15}{16}$ & $\frac{7}{8}$	..... $\frac{1}{2}$	$\frac{9}{16}$ & $\frac{5}{8}$	..... $\frac{9}{16}$	12 $\frac{1}{2}$	
3733C	$\frac{15}{16}$ & 1	.....	..... $\frac{3}{4}$	$\frac{5}{8}$ & $\frac{11}{16}$	14 $\frac{1}{2}$	



SET NO. 3701



SET NO. 3702



SET NO. 3700

"Van-Chrome" Box Wrench Sets

45° Offset Patterns

For the convenience of the mechanic, and to provide readily salable units, Multihex Wrenches are supplied in various practical assortments as listed below.

SET NO. 3701, one each of the 3 Short Pattern Nos. 4723, 4725B and 4727A.

NET PRICE, in box..... in leatherette case.....

SET NO. 3702 contains 9 wrenches, one each of the 3 Short Offset Pattern Nos. 4723, 4725B, 4727A, and one each of the 6 Long Offset Type Nos. 3723, 3725B, 3727A, 3729A, 3731B and 3733C.

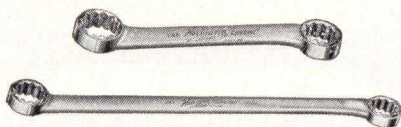
NET PRICE, in box..... in leatherette case.....

SET NO. 3700 carries one each of 5 Long Offset Box Wrenches, Nos. 3723, 3725B, 3727A, 3729A and 3731B.

NET PRICE, in box..... in leatherette case.....

SET NO. 3704 (not illustrated) contains one each of the 6 Long Offset Pattern Nos. 3723, 3725B, 3727A, 3729A, 3731B and 3733C.

NET PRICE, in box..... in leatherette case.....



"Van-Chrome" Multihex Box Wrenches

10° and 15° Angle Patterns

Drop Forged from Chrome Molybdenum Steel

Easy knuckle clearance of an offset wrench, with the accessibility of a straight wrench applying a direct, powerful pull on the nut. Either side of the wrench may be used, and they have different 12-point openings in each head with extra thin side walls.

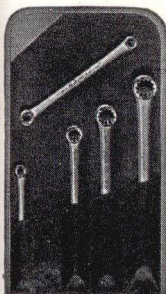
Made with two different degrees of offset heads—the Short Pattern 15° and the Long with 10° angle heads—and they are available in all the popular opening sizes. Smoothly ground all over and double plated in chrome with the heads brightly polished.

SHORT 15° PATTERN

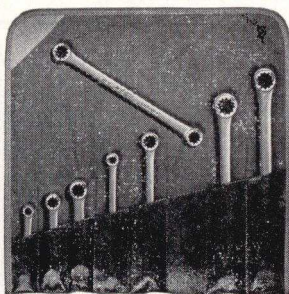
Wrench No.	Openings Broached	For U.S. Std. Nuts	For Hex. Cap Screws	For S.A.E. Std. Nuts and Cap Screws	Length	Net Price Each
6723	$\frac{3}{8}$ & $\frac{7}{16}$	.....	$\frac{3}{16}$ & $\frac{1}{4}$	..... $\frac{1}{4}$	4	
6725B	$\frac{1}{2}$ & $\frac{9}{16}$	$\frac{1}{4}$	$\frac{5}{16}$ & $\frac{3}{8}$	$\frac{5}{16}$ & $\frac{3}{8}$	$4\frac{1}{2}$	
6727A	$\frac{5}{8}$ & $\frac{11}{16}$	..... $\frac{3}{8}$	$\frac{7}{16}$	$\frac{7}{16}$	5	

LONG 10° PATTERN

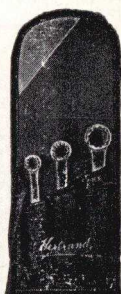
5723	$\frac{3}{8}$ & $\frac{7}{16}$	.....	$\frac{3}{16}$ & $\frac{1}{4}$	..... $\frac{1}{4}$	$6\frac{3}{4}$
5725B	$\frac{1}{2}$ & $\frac{9}{16}$	$\frac{1}{4}$	$\frac{5}{16}$ & $\frac{3}{8}$	$\frac{5}{16}$ & $\frac{3}{8}$	$7\frac{7}{8}$	
5727	$\frac{9}{16}$ & $\frac{5}{8}$	.....	$\frac{3}{8}$ & $\frac{7}{16}$	$\frac{3}{8}$ & $\frac{7}{16}$	$8\frac{7}{8}$
5729	$\frac{11}{16}$ & $\frac{25}{32}$	$\frac{3}{8}$ & $\frac{7}{16}$	.....	.....	10
5731A	$\frac{3}{4}$ & $\frac{7}{8}$	..... $\frac{1}{2}$	$\frac{1}{2}$ & $\frac{5}{8}$	$\frac{1}{2}$ & $\frac{9}{16}$	$11\frac{1}{8}$
5733	$\frac{7}{8}$ x 1	Special for transmission and crankcase drain plugs on Hydro-Matic and dynaflo.				



SET NO. 5720



SET NO. 5721



SET NO. 3703

"Van-Chrome" Box Wrench Sets

10° and 15° Patterns

"Van-Chrome" Multihex Box Wrenches in the Short 15° and the Long 10° patterns are also available in set combinations of the most necessary sizes.

SET NO. 5720 consists of 5 Long 10° Angle Box Wrenches, Nos. 5723, 5725B, 5727, 5729 and 5731A.

NET PRICE, in box..... in leatherette case.....

SET NO. 5721 is a complete assortment, carrying 1 each Nos. 6723, 6725B, 6727A, 5723, 5725B, 5727, 5729 and 5731A.

NET PRICE, in box..... in leatherette case.....

SET NO. 3703, one each of the 3 Short Patterns, Nos. 6723, 6725B and 6727A.

NET PRICE, in box..... in leatherette case.....

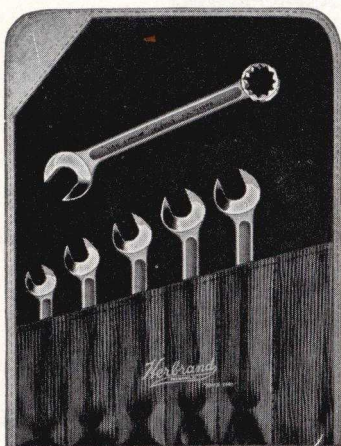
Prices subject to change without notice.



"VAN-CHROME" MULTITYPE WRENCHES

Combination Box and Open End

Drop Forged from Chrome Vanadium Steel



SET NO. 1227

The new "Van-Chrome" Multi-type is a dual-purpose wrench combining in one tool two types of openings—box and open end. The advantages instinctively appeal to every mechanic, because the handy and practical combination of different type openings equip him for most emergencies. If one style opening is not adapted to the particular job simply flip the wrench over and use the other end.

These general service wrenches find a wide range of use and are especially adaptable for carburetor, manifold, clutch, generator and starter work.

The box end, with its 12-point opening, is offset at 15° to give the proper clearance for obstructions and knuckles. The open end is angled at 21½° for efficiency. Each end has the same size openings. Handles are panelled for a firm grip and ease of handling.

The twelve popular sizes in which these wrenches are made cover at least 90 per cent. of general service work. Drop forged from special analysis Chrome Vanadium Steel, accurately machined and heat treated all over for super-strength. Finished in chrome plate with heads polished to a high lustre.

Wrench No.	Openings	For U.S. Std. Nuts	For Hex. Cap Screws	For S.A.E. Nuts & Cap Screws	Length	Weight Per Doz. Lbs. Ozs.	Net Price Each
1210	5/16	1/4"	..	4 1/2	4 1/2	..	..
1212	3/8	..	..	5 1/16	5 1/2	..	..
1214	7/16	..	1/4	5 1/4	5	1	5
1216	1 1/2	1/4	5/16	5 1/16	5 1/2	1	8
1218	9/16	..	5/16	3 3/8	6	2	1
1220	5/8	..	7/16	7/16	6 1/2	2	10
1222	11/16	3/8	..	..	7	3	6
1224	3/4	..	1 1/2	1 1/2	7 1/2	4	6
1226	13/16	..	9/16	..	8 3/4	..	..
1228	7/8	1/2	5/8	9/16	10 1/2	6	2
1230	15/16	..	3/4	5/8	12 1/4	7	2
1232	1	..	3/4	3/4	14 1/2	..	..
1234	1 1/16	5/8	..	3/4	14 1/2	..	..
1236	1 1/8	..	7/8	..	17	..	..
1240	1 1/4	3/4	1	7/8	17	..	..

SET NO. 1225 contains one each of four sizes, Nos. 1214 to 1220.

Designed for general service use, this set is ideal for carburetor work on Ford, Chevrolet, Pontiac and many other cars.

Weight 12 ozs.

NET PRICE, in fibre box..... in pocket leatherette case.....

SET NO. 1227 contains one each of six sizes, Nos. 1214 to 1224.

Weight 1 lb. 6 ozs.

NET PRICE, in fibre box..... in pocket leatherette case.....

SET NO. 1229 contains one each of ten sizes, Nos. 1212 to 1230.

NET PRICE, in fibre Box.. in pocket leatherette case..

SET NO. 1231 contains one each of twelve sizes, 1212 to 1234.

NET PRICE, in fibre box.. in pocket leatherette case..

Prices subject to change without notice.



VAN-CHROME MULTIFLEX BOX WRENCHES

Swivel Heads

Drop Forged from Chrome Molybdenum Steel

With all the ability and free leverage of a solid wrench, yet working easily around interfering parts, the Multiflex reaches concealed nuts with a grip that eliminates the hazard of slipping and skinning knuckles or rounding corners of nuts and bolts. Especially suited for use on the clutch pan of Dodge, De Soto and Plymouth. The forged extra deep 12-point sockets and very thin, straight walls give maximum clearance and readily engage those sunken nuts which are not accessible to ordinary wrenches.

True to its name the Multiflex is both flexible and serves a multitude of uses, because it adjusts instantly to any angle. The swivel heads break over to 90°, are equipped with compression springs to retain any working position desired, and handle nuts and bolts even at the most awkward angles. chrome plated with brightly polished heads.

Wrench No.	Size Openings	For U.S. Std. Nuts	For Hex. Cap Screws	For S.A.E. Nuts and Cap Screws	Length	Net Price Each
6823	$\frac{3}{8}$ & $\frac{7}{16}$	.....	$\frac{3}{16}$ & $\frac{1}{4}$	$\frac{1}{4}$	$7\frac{3}{8}$	
6825	$\frac{1}{2}$ & $\frac{9}{16}$	$\frac{1}{4}$	$\frac{5}{16}$ & $\frac{3}{8}$	$\frac{5}{16}$ & $\frac{3}{8}$	$8\frac{3}{4}$	
6827	$\frac{5}{8}$ & $\frac{3}{4}$	.....	$\frac{7}{16}$ & $\frac{1}{2}$	$\frac{7}{16}$ & $\frac{1}{2}$	9	

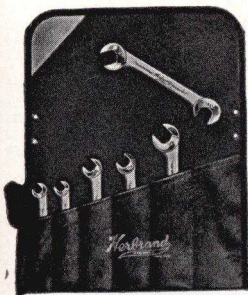
SET No. 6821. 1 each of 6823, 6825, 6827.



"VAN-CHROME" OBSTRUCTO WRENCHES

45° and 90° Angle

Drop Forged from Chrome Vanadium Steel



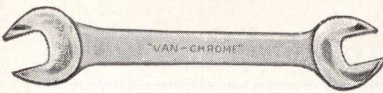
SET NO. 1836

Their unique design makes it possible to reach obscure nuts or bolts and saves many hours of trying labor. The thin heads and narrow, pointed jaws reach around obstructions and positively move hidden nuts in positions that ordinary wrenches cannot reach. The comfortable grips are finished in smooth, chrome plate and the heads are polished to mirror brightness.

Wr. No.	Openings Milled	For U.S. Std. Nuts	For Hex. Cap Screws	For S.A.E. Nuts and Cap Screws	Thickness Heads	Length	Net Price Each
1821	$\frac{3}{8}$	..	$\frac{3}{16}$	..	$\frac{11}{16}$	$5\frac{1}{2}$	
1823	$\frac{7}{16}$	..	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{11}{16}$	$5\frac{1}{2}$	
1825	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{5}{16}$	$\frac{13}{16}$	$6\frac{1}{2}$	
1827	$\frac{9}{16}$	..	$\frac{3}{8}$	$\frac{3}{8}$	$\frac{13}{16}$	$6\frac{1}{2}$	
1829	$\frac{5}{8}$	..	$\frac{7}{16}$	$\frac{7}{16}$	$\frac{17}{16}$	$7\frac{1}{2}$	
1831	$\frac{3}{4}$	..	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{15}{16}$	$7\frac{1}{2}$	

SET NO. 1836 contains one each of above wrenches.

NET PRICE, in box..... in pocket leatherette case.....

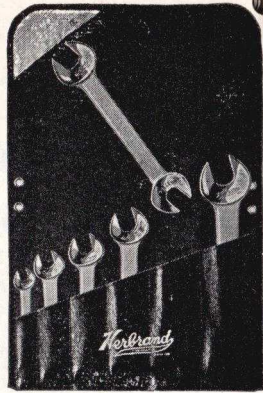


Automotive Wrenches

15° Angle Pattern

Drop Forged from Chrome Steel

The lightest, thinnest, longest and strongest wrenches of their type. Heat treated their entire length to give positive toughness and uniform durability. The pointed jaws and thin narrow heads reach into places where other wrenches can't. Will not break or spread under normal usage. Beautifully finished with chrome plated grips and mirror polished heads. Refinements in design increase their efficiency and accessibility.



SET NO. 1025

Automotive Wrench Selection Table

Wrench No.	Openings	Length	Thickness	Dealer Net Price
1021S	$\frac{1}{4}$ & $\frac{5}{16}$	$3\frac{3}{4}$	$\frac{3}{16}$	
1720	$\frac{5}{16}$ & $\frac{11}{32}$			
1721	$\frac{5}{16}$ & $\frac{3}{8}$			
1021	$\frac{5}{16}$ & $\frac{13}{32}$	5	$\frac{3}{16}$	
1723	$\frac{3}{8}$ & $\frac{7}{16}$			
1022	$\frac{5}{16}$ & $\frac{1}{2}$			
1725	$\frac{7}{16}$ & $\frac{1}{2}$			
1725A	$\frac{7}{16}$ & $\frac{9}{16}$	$6\frac{1}{2}$	$1\frac{5}{64}$	
1725B	$\frac{1}{2}$ & $\frac{9}{16}$			
1025	$\frac{1}{2}$ & $\frac{9}{32}$			
1026	$\frac{1}{2}$ & $\frac{11}{16}$			
1727	$\frac{9}{16}$ & $\frac{5}{8}$	$7\frac{1}{4}$	$1\frac{7}{64}$	
1027	$\frac{19}{32}$ & $\frac{11}{16}$			
*1027B	$\frac{5}{8}$ & $\frac{11}{16}$			
1728	$\frac{9}{16}$ & $\frac{3}{4}$			
1028	$\frac{19}{32}$ & $\frac{25}{32}$			
1028S	$\frac{5}{8}$ & $\frac{25}{32}$			
1729	$\frac{5}{8}$ & $\frac{3}{4}$	$8\frac{5}{16}$	$1\frac{9}{64}$	
1029	$\frac{11}{16}$ & $\frac{25}{32}$			
1029B	$\frac{11}{16}$ & $\frac{3}{4}$			
1029C	$\frac{11}{16}$ & $\frac{13}{16}$			
1731	$\frac{3}{4}$ & $\frac{13}{16}$			
1731A	$\frac{3}{4}$ & $\frac{7}{8}$			
1031	$\frac{25}{32}$ & $\frac{7}{8}$			
1731B	$\frac{13}{16}$ & $\frac{7}{8}$	$9\frac{3}{8}$	$2\frac{3}{64}$	
1032	$\frac{25}{32}$ & $\frac{31}{32}$			
1032B	$\frac{13}{16}$ & $\frac{15}{16}$			
1033A	$\frac{7}{8}$ & $\frac{15}{16}$			
1033	$\frac{7}{8}$ & $\frac{31}{32}$			
1733	$\frac{7}{8}$ & 1			
1033C	$\frac{15}{16}$ & 1			
1034	$\frac{7}{8}$ & $1\frac{1}{16}$	$10\frac{3}{4}$	$2\frac{7}{64}$	
1034A	$1\frac{1}{16}$ & $\frac{15}{16}$			
1734	$\frac{7}{8}$ & $1\frac{1}{8}$			
1035	$\frac{31}{32}$ & $1\frac{1}{16}$			
1735	1 & $1\frac{1}{8}$			
1036B	$1\frac{1}{16}$ & $1\frac{1}{8}$	$12\frac{1}{4}$	$3\frac{1}{64}$	
1037	$1\frac{1}{16}$ & $1\frac{1}{4}$			
1737	$1\frac{1}{8}$ & $1\frac{1}{4}$			
1037A	$1\frac{1}{8}$ & $1\frac{5}{16}$			

*Old 1027F.

Set No. 1025E

SET NO. 1025E contains one each of Nos. 1723, 1025, 1727, 1029, 1731A and 1033C.

NET PRICE, in box..... in pocket leatherette case.....

Set No. 1025A

SET NO. 1025A contains one each of Nos. 1721, 1723, 1025, 1725B, 1727, 1029, 1729, 1731B and 1033C.

NET PRICE, in bulk..... in leatherette roll.....

Set No. 1025B

SET NO. 1025B contains 12 Wrenches, one each Nos. 1721, 1723, 1025, 1725, 1725B, 1727, 1027, 1729, 1029, 1731A, 1731B and 1033C.

NET PRICE, in bulk..... in leatherette roll.....



Van-Chrome Open End Adjustable Wrenches

Thin—Strong—Perfectly Balanced

Drop Forged from Chrome Alloy Steel

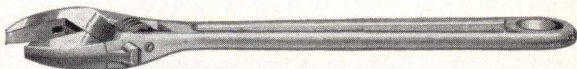
Extra thin and extra strong, these New Adjustable Wrenches have a full, deep throat straight back to the frame which give a greater bearing and a full bite on both square and hex nuts—no slipping or “knockle busting.” The movable jaw has a wide bearing surface which rests on the frame eliminating spring and unnecessary strain and giving greater support in any position, particularly when the jaw is fully open.

The tapered jaws are perfectly matched and so thin that they reach places inaccessible to ordinary wrenches, but are so strong that they withstand breaking tests that most wrenches of this type cannot meet.

The free-riding jaw adjusts instantly by a turn of the easy-running knurl screw, which has four tempered threads accurately meshed in the forged jaw to hold any adjustment firmly and allow greater pressure on the handle without slipping. The handle is graduated to a wider end to fit the hand comfortably in a natural gripping position and imparts perfect balance to the wrench under pressure.

Both handle and jaw are drop forged from select Chrome Alloy Steel, hardened and tempered in oil avoiding wear and breakage in the gear teeth. Chrome plated with heads brightly polished.

Individually boxed. Available in the five popular sizes as listed in the table below.



Edge view showing extreme thinness and tapered jaws.

ADJUSTABLE WRENCH TABLE

Catalog Number	Length	Capacity	Net Price Each
21-4	4	$\frac{1}{2}$	
21-6	6	$\frac{3}{4}$	
21-8	8	$1\frac{5}{16}$	
21-10	10	$1\frac{1}{8}$	
21-12	12	$1\frac{7}{16}$	

Prices subject to change without notice.



Van-Chrome Box Wrenches Whitworth Standard Openings

SPECIAL 30° ANGLE — PANELLED HANDLES

Drop Forged from Chrome Vanadium Steel

Herbrand now has these ultra modern box wrenches available in Whitworth Standard openings.

Low and close clearances offer no difficulties of accessibility, because the heads are distinctively angled at approximately 30 degrees. This new angle assures perfect clearance for both knuckles and head bolts, but retains sufficient offset to reach countersunk or imbedded nuts with ample leverage for a strong pull and without any possibility of tilting. The extremely thin side walls of the 12-point openings are machined to exacting tolerances to snugly fit bolt heads or nuts for which they are sized. Chamfered both top and bottom, so that either side may be used with equal facility, they locate and engage automatically.

Individually drop forged from the finest Chrome Vanadium Steel and scientifically heat treated for lifetime service. Handsomely chrome plated in lustrous satin nickel with heads polished to mirror brightness.

Whitworth Standard

Wrench No.	(B.S.W.) British Standard Whitworth: Bolt Sizes	Wrench Opening Actual Broached Sizes		Fractional Size of Nut Across Flats (Approx.)	Length	Net Price Each
		Small Head	Large Head			
BW-3623	$\frac{1}{8}$ & $\frac{3}{16}$	.350	.460	$\frac{11}{32}$ & $\frac{99}{64}$	$6\frac{1}{2}$	....
BW-3627	$\frac{1}{4}$ & $\frac{5}{16}$	.534	.611	$\frac{17}{32}$ & $\frac{19}{32}$	$8\frac{5}{8}$	....
BW-3629	$\frac{5}{16}$ & $\frac{3}{8}$	.611	.721	$\frac{19}{32}$ & $\frac{45}{64}$	$9\frac{11}{16}$	....
BW-3633	$\frac{7}{16}$ & $\frac{1}{2}$	.836	.935	$\frac{15}{16}$ & $\frac{59}{64}$	$12\frac{1}{4}$	....

SET NO. 3620 contains 1 each of the above.

LIST PRICE, in fibre box..... ; in leatherette roll.....



"VAN-CHROME" MULTITYPE WRENCHES Whitworth Standard Openings Combination Box and Open End

Drop Forged from Chrome Vanadium Steel

The advantages of these dual purpose wrenches instinctively appeal to every mechanic, because the handy and practical combination of different type openings equip him for most emergencies. If one style opening is not adapted to the particular job simply flip the wrench over and use the other end.

The box end, with its 12-point opening, is offset at 15° to give the proper clearance for obstructions and knuckles. The open end is angled at 21½° for efficiency. Each end has the same size openings. Handles are panelled for a firm grip and ease of handling.

The seven popular sizes in which these wrenches are made cover at least 90 per cent of general service work. Drop forged from special analysis Chrome Vanadium Steel, accurately machined and heat treated all over for super-strength. Chrome plated with heads polished to a high lustre.

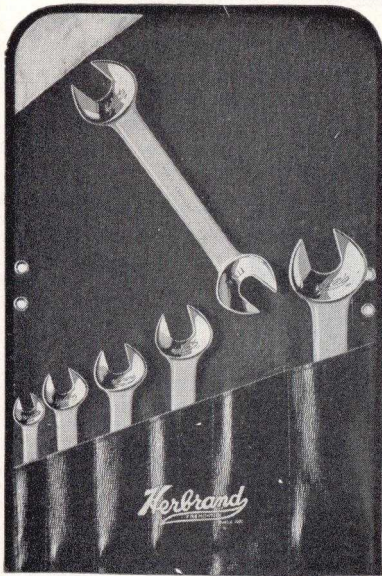
Whitworth Standard

Wrench No.	(B.S.W.) British Standard Whitworth: Bolt Size	Actual Opening		Fractional Size of Nut Across Flats (Approx.)	Size of Nuts Across Flats (Max.)	Length	Net Price Each
		Min.	Max.				
1212W	$\frac{1}{8}$	.345	.350	$\frac{11}{32}$	.338	5	....
1214W	$\frac{3}{16}$	.449	.454	$\frac{29}{64}$	.445	$5\frac{1}{2}$	....
1216W	$\frac{1}{4}$	.529	.534	$\frac{17}{32}$	.525	6	....
1220W	$\frac{5}{16}$	.605	.611	$\frac{19}{32}$	.600	7	....
1222W	$\frac{3}{8}$	.715	.721	$\frac{45}{64}$	.710	$7\frac{1}{2}$	....
1226W	$\frac{7}{16}$	.826	.833	$\frac{13}{16}$	.820	$8\frac{3}{4}$	....
1230W	$\frac{1}{2}$	.927	.935	$\frac{59}{64}$	.920	$12\frac{1}{4}$	....

SET NO. B.S. W1227 contains 1 each of the first six sizes listed above.

PRICE in fibre box..... ; in leatherette roll.....

B.S.F. and Whitworth Wrenches



"Van-Chrome" Whitworth and B.S.F. Open End Wrenches

15° Angle Pattern

Light—Thin—
Strong

Herbrand "Van-Chrome" Open-End Wrenches are individually drop forged from select Chrome Alloy Steel. They are heat treated their entire length to give positive toughness.

The pointed jaws and thin, narrow heads offer wide accessibility and the extra length provides greater leverage. A perfect fit on nuts is assured because the openings are accurately machined to close, exact tolerances and they will not slip under the hardest pull.

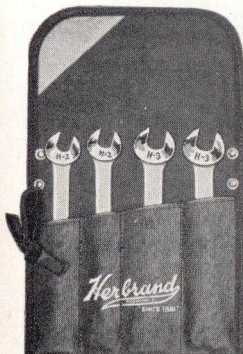
Smoothly ground all over, nickel plated with satin finished grips and brightly polished heads.

SET NO. 1025 B.S.W.

Wrench No.	B.S.W. or Whitworth Bolt Size	Nominal Opening	B.S.F. Bolt Size	Dealer Net Each
1021W	$\frac{1}{8}$ x $\frac{3}{16}$	345 x 454	— x $\frac{1}{4}$	
BW-1021	$\frac{3}{16}$ x —	454 x 333	— x 2 B.A.	
1023W	$\frac{3}{16}$ x $\frac{1}{4}$	454 x 534	$\frac{1}{4}$ x $\frac{5}{16}$	
1025W	$\frac{1}{4}$ x $\frac{5}{16}$	534 x 611	$\frac{5}{16}$ x $\frac{3}{8}$	
1027W	$\frac{5}{16}$ x $\frac{3}{8}$	611 x 721	$\frac{3}{8}$ x $\frac{7}{16}$	
1029W	$\frac{3}{8}$ x $\frac{7}{16}$	721 x 833	$\frac{7}{16}$ x $\frac{1}{2}$	
1031W	$\frac{7}{16}$ x $\frac{1}{2}$	833 x 935	$\frac{1}{2}$ x $\frac{9}{16}$	
1033W	$\frac{1}{2}$ x $\frac{9}{16}$	935 x 1.024	$\frac{9}{16}$ x $\frac{5}{8}$	

The No. 1025 B.S.W. Set contains 1 each of the following: BW-1021, 1023W, 1025W, 1027W, 1029W and 1033W.

DEALER NET, in cardboard box..... in leatherette roll.....



"Van-Chrome" British Size Tappet Wrenches

Double End—15° Angle.

Number	B.S.W.	B.S.F.	Dealer Net
H-1-W	$\frac{1}{8}$ x $\frac{3}{16}$	— x $\frac{1}{4}$	
H-2-W	$\frac{3}{16}$ x $\frac{1}{4}$	$\frac{1}{4}$ x $\frac{5}{16}$	
H-3-W	$\frac{5}{16}$ x $\frac{3}{8}$	$\frac{3}{8}$ x $\frac{7}{16}$	

SET NO. BST-70

Set No. BST-70 contains 2 each of Nos. H-1-W and H-2-W.
DEALER NET, each, in cardboard box.... in leatherette roll....



“VAN-CHROME” TAPPET WRENCHES

Double End—15° Angle

Drop Forged from Chrome Vanadium Steel

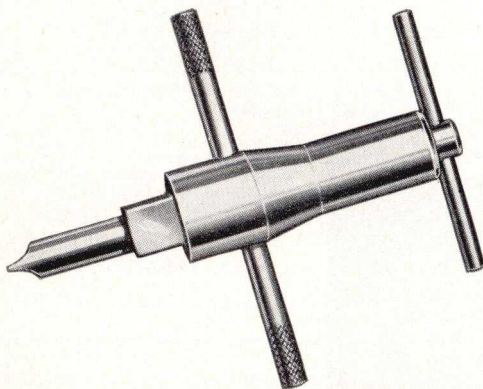


The super quality and design of “Van-Chrome” Tappet Wrenches have given them nation-wide acceptance. Maintaining their leadership through constant development of design and construction, they are still longer — thinner — lighter and tougher. Drop forged from Select Chrome Vanadium Steel and scientifically heat treated. Beautifully finished in permanent chrome plate with mirror polished heads and smooth satin grips.

SET NO. H-80

Wrench No.	Openings Milled	Thickness Heads	Length	Dealer Net Price Each
H-1	$\frac{7}{16}$ & $\frac{17}{32}$	$\frac{5}{32}$	$7\frac{1}{4}$	
H-2	$\frac{1}{2}$ & $\frac{9}{16}$	$\frac{5}{32}$	8	
H-3	$\frac{5}{8}$ & $\frac{11}{16}$	$\frac{7}{32}$	8	
H-4	$\frac{3}{4}$ & $\frac{7}{8}$	$\frac{7}{32}$	9	

SET NO. H-80, two each of above wrenches, 8 in all, nickel finish.
NET PRICE, in box in pocket leatherette roll



OVERHEAD VALVE TAPPET ADJUSTING TOOL

For all Overhead Valves

Easier to use this combination 2 in 1 tool, makes easy work of adjusting all overhead valves and permits finer adjustments in one half the time ordinarily required. The correct size of standard $\frac{1}{2}$ " drive socket is fitted on the square end to engage the tappet lock nut. The screw driver made from tool steel and hardened. Knurled handles prevent slipping.

Tappets may be adjusted while motor is running.

NO. 36—Tappet adjusting tool. Net price each.

Set No. SS-36, contains one each of 3 specially drilled Herbrand Hot Forged sockets sizes $\frac{1}{2}$ ", $\frac{9}{16}$ " and $\frac{5}{8}$ " for use with the above tool.

NET PRICE



New "Van-Chrome" Master Tappet Wrenches

**Bar Design for
Rigid Strength**
9 1/2" Long

*Drop Forged from
Chrome Vanadium Steel*

These new ultra-modern tappet wrenches are revolutionary in design, and have been painstakingly engineered to help mechanics do a superior type of work in less time and with the least effort.



SET NO. T-80

The masterful design and efficiency of the new Master Tappet Wrenches is the result of long study and research in co-operation with mechanics in actual shop practice. The 9 1/2" length of all these wrenches is recommended by engineers as the proper length for general all-around tappet work. Thin and narrow pear-shaped heads of carefully-gauged thickness are scientifically balanced with the tappet nuts for speedy action. Openings are precision-machined to the correct depth to firmly grip the tappet nuts and permit the maximum turning radius without interference from the motor block.

The bar design of the panelled handles has been so scientifically blended into the heads that the extra strength and rigidity so much desired by mechanics is actually imparted to the wrench without clumsiness or unnecessary weight.

Perfectly balanced, they handle with ease the most delicate adjustments, yet have enduring strength, because they are drop forged from select chrome vanadium steel and heat treated to exacting standards.

Wrench No.	Size Openings	For Hex. Cap Screws	For S.A.E. Nuts and Cap Screws	Thickness Heads	Length	Net Price Each
T-21	7/16 & 1/2	1/4 & 5/16	1/4 & 5/16	11/64	9 1/2	
T-22	1/2 & 9/16	5/16 & 3/8	5/16 & 3/8	3/16	9 1/2	
T-23	5/8 & 11/16	7/16	7/16	13/64	9 1/2	
T-24	3/4 & 7/8	1/2 & 5/8	1/2 & 9/16	7/32	9 1/2	

SET NO. T-40, two each of Nos. T-22 and T-23.

NET PRICE, in box in leatherette roll

SET NO. T-80, two each of Nos. T-21, T-22, T-23 and T-24.

NET PRICE, in box in leatherette roll



T-100 TAPPET ADJUSTER

Specially designed for Overhead Valves

Spring loaded blade moves up and down inside handle. Motor may be kept running during adjustment yet mechanic's hand holds steady. Notched tip keeps blade from slipping out of adjustment screw. Length 7".

DEALER NET PRICE



Herbrand Carburetor Repair Sets

No. CA-36½ Deluxe Set

Herbrand's new Carburetor Repair Sets bring within the reach of all mechanics the basic tools for disassembly, assembly and adjustment of all popular carburetors. Special tools are included for individual makes such as Carter, Stromberg, Chandler-Groves and Rochester carburetors. New tools will be added as needed in the future.

All tools are of genuine Herbrand Van-Chrome quality—engineer designed, tough alloy steels, gleaming chromium plating, and fully guaranteed.

SET NO. CA-36½ Deluxe—This master set contains every one of the tools listed on the next page except the M-21, also 4 midjet spanners (Nos. 84, 85, 87 and 89), 4 midjet box wrenches (Nos. 71, 72, 73 and 74), No. A389 ¼" to ⅜" socket adapter, No. J-10 ⅜" drive ratchet, No. M-13 ⅜" drive flex handle, No. 1729 ⅝" x ¾" open end wrench. With the CA-36½ set any good mechanic can become a carburetor repair expert. This complete set is packed in a handsome, sturdy metal box.

Dealer Net Price

SET NO. CA-24½ Basic—This basic set contains all of the specialized carburetor service tools illustrated and described on the next page. Packed in the same box as No. CA-36½.



















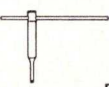







Dealer Net Price

**Complete list and description of individual
Carburetor tools on next page.**

VAN
CHROME
TOOLS

Herbrand

CARBURETOR
REPAIR
TOOLS

	No. C-528 Jet socket—Stromberg oval $\frac{3}{16}$ " wide x $\frac{1}{4}$ " long Dealer Net Price . . . \$1.12		No. M-20 Screw driver grip and 6" Extension for sockets Dealer Net Price . . . \$1.80
	No. C-529 Jet socket—Stromberg oval $\frac{7}{32}$ " wide x $\frac{3}{32}$ " long Dealer Net Price . . . \$1.12		No. M-21 Sliding T handle for sockets Dealer Net Price . . . \$1.42
	C-530 Special Prong socket—prong .056 wide— $\frac{1}{16}$ " deep socket dia. $\frac{3}{8}$ " for Metering jets. Dealer Net Price . . . \$.93		No. M-53 Screw Driver Bit $\frac{3}{16}$ " blade Dealer Net Price . . . \$1.35
	C-531 Special Prong socket—prong .042 wide $\frac{1}{16}$ " deep dia. socket $\frac{7}{16}$ " for Metering jets. Dealer Net Price . . . \$.93		No. M-54 Screw Driver Bit $\frac{1}{4}$ " blade Dealer Net Price . . . \$1.35
	No. C-537 Float level gauge— Rochester Carburetor Chevrolet Dealer Net Price . . . \$.93		No. M-55 Screw Driver Bit $\frac{5}{16}$ " blade Dealer Net Price . . . \$1.35
	No. C-538 Float level gauge— Ford—Stromberg and Chandler-Groves Dealer Net Price . . . \$.93		No. M-510 $\frac{5}{16}$ " 6-point deep socket $\frac{1}{4}$ " drive Dealer Net Price . . . \$.97
	No. C-539 Float level gauge— Plymouth Dealer Net Price . . . \$.93		No. M-512 $\frac{3}{8}$ " 6-point deep socket $\frac{1}{4}$ " drive Dealer Net Price . . . \$.97
	No. C-540 Ball Retaining Ring Insertor Dealer Net Price . . . \$.93		No. M-513 $\frac{13}{32}$ " 6-point deep socket $\frac{1}{4}$ " drive Dealer Net Price . . . \$.97
	No. C-542 Ball Retaining Ring In- serter—late models • Dealer Net Price . . . \$.93		No. M-514 $\frac{3}{16}$ " 6-point deep socket $\frac{1}{4}$ " drive Dealer Net Price . . . \$.97
	No. C-545 Main Vent tube tool Dealer Net Price . . . \$1.39		No. M-515 $\frac{15}{32}$ " 6-pt. deep socket $\frac{1}{4}$ " drive. Check valve— Stromberg carburetor. Dealer Net Price . . . \$.97
	No. C-546 Bending and adjust- ing tool—float levers etc. Dealer Net Price . . . \$.75		No. M-516 $\frac{1}{2}$ " 6-point deep socket $\frac{1}{4}$ " drive Dealer Net Price . . . \$1.05
	No. C-547 Ball Retaining Ring removing tool Dealer Net Price . . . \$.93		No. M-518 $\frac{5}{16}$ " 6-point deep socket $\frac{1}{4}$ " drive Dealer Net Price . . . \$1.20
	No. C-548 Economizer Valve Wrench Dealer Net Price . . . \$.56		No. MA55 1/2 Metal Box $9\frac{3}{8}$ " x $5\frac{7}{8}$ " x $1\frac{1}{2}$ " Inside Dimen- sions Dealer Net Price . . . \$1.95

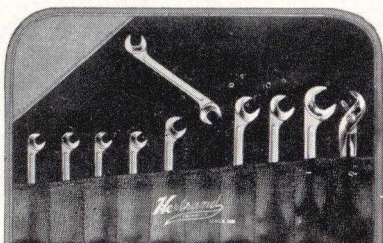
"VAN-CHROME" ELECTRICAL AND IGNITION WRENCHES



15° and 60° Angle Heads

Drop Forged from Chrome Vanadium Steel

Feather lightness with amazing strength marks these wrenches as the handiest for tricky carburetor and ignition jobs. Different openings on each end, yet each size is duplicated on a separate wrench at a different angle. Designed for greater efficiency on magnetos, coils, ignition, distributors, ammeters, and all small nuts on radio and electrical appliances. Satin chrome with mirror bright heads. These wrenches are Drop Forgings—not stampings.



SET No. 99

Wrench No.	Openings Milled		Thickness Heads	Length	Dealer Net Price Each
	15° Angle	60° Angle			
†81	13/64	15/64	7/64	3	
*82	15/64	13/64	7/64	3	
†83	7/32	1/4	7/64	3	
††84	1/4	7/32	7/64	3	
85	9/32	5/16	7/64	3 1/2	
**86	5/16	9/32	1/8	3 1/2	
87	11/32	3/8	9/64	4	
88	3/8	11/32	9/64	4	
89	7/16	1/2	11/64	4 1/2	

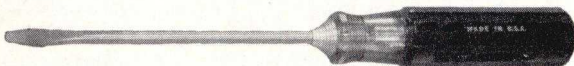
†For Ford Ignition. *Auto-Lite and Bosch. †Delco. ††Remy. **Wagner and Remy.

SET NO. 97 contains one each Nos. 81, 82, 83, 84, 85, 86, 87.

NET PRICE, in flannel-lined leatherette roll.....

SET NO. 99 contains the nine wrenches above and No. 167-N Plier.

NET PRICE, in flannel-lined leatherette case.....



SPARK DETECTING SCREWDRIVERS

For testing high frequency circuits. When tip is placed on spark plug, distributor or leak in ignition wiring, etc., neon tube in handle flashes indicating condition of the circuit. Slender alloy steel blades, and shock-proof plastic handle.

NO. 304E, 3/8" x 2 1/4", 5" O.A. (with pocket clip). Dealer Net Price

NO. 305E, 3/16" x 4", 8 1/2" O.A. Dealer Net Price



Ignition Point Files No. F-1

For Platinum and Tungsten Contact Points

The fine double-cut teeth of these tempered Chrome Tungsten Steel Files produce a perfect contact because they are clean, fast-cutting and get down between the points. A mechanic's precision tool of highest quality that will outwear numerous cheaper files. Smooth handles shaped for finger-tip control. Length of File 5".

NET PRICE, each.....

SEE PAGE 121 FOR FEELER GAUGES.

"Van-Chrome" No. 98 Electrical and Ignition Set



SET NO. 98

screw driver No. 310—the popular tools for electrical systems, appliances, radios and all small work.

NET PRICE, in flannel-lined leatherette roll.....

"Van-Chrome" Midget Box Wrenches For Electrical and Ignition Work

Drop Forged from Chrome Molybdenum Steel

Modern car service requirements have created a definite need for the Offset, Box Type Midget Wrenches because of the increasing inaccessibility and the short turning radius encountered when working on ignition systems, generators, carburetors, distributors, radios, electrical appliances, or for any other tiny nut adjustments. Herbrand Midgets are accurately broached with 6-point openings for perfect engagement of small nuts, and both ends are offset for easy clearance of obstructions. Lengths are correct for perfect balance. Chrome plated, with polished heads.



SET NO. 70



Wrench Number	Size Openings	Length	Weight per Doz. Ozs.	Net Price Each
71	$\frac{3}{16}$ and $\frac{13}{64}$	$2\frac{7}{8}$	3	
72	$\frac{7}{32}$ and $\frac{15}{64}$	$3\frac{1}{8}$	3	
73	$\frac{1}{4}$ and $\frac{9}{32}$	$3\frac{3}{8}$	6	
74	$\frac{5}{16}$ and $\frac{11}{32}$	$3\frac{3}{4}$	9	

Midget Wrench Set No. 70

The eight opening sizes incorporated in this set of four Midget Box Wrenches are necessary to handle the popular sizes of small nuts. This compact little set is put up in a flannel-lined leatherette roll with an individual pocket for each tool.

SET NO. 70, containing each of the above four wrenches.

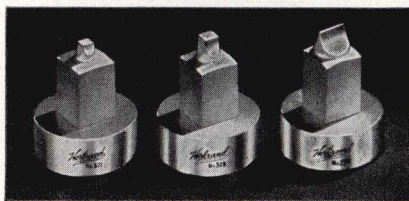
NET PRICE, in fibre box..... in leathette roll.....

See Page 74 for Midget Ignition Pliers,

Pole Piece Screw Drivers

Three Sizes Necessary for Generator and Starter Work

Chrome Vanadium Steel



The pole pieces in generators and starters must be driven in very tightly to eliminate the air gap between the housing and the pole piece. The screws are tightened to the limit to insure satisfactory performance, and it is impossible to remove them with an ordinary screw driver. Herbrand Pole Piece Screw Drivers remove the tightest screws with ease and without twisting out the slot or socket. A vise supplies the power and holds the bit in position. It is unnecessary to ease the pressure, because the pole piece moves inwardly off the screw. A new idea Revolving Screw Driver that is an absolute necessity in every shop doing generator and starter repairs. Any mechanic who has attempted to remove pole screws knows how tough this job is. Operation: place generator or starter in large vise, insert screw bit or socket in slot, apply vise pressure to hold bit in place, turn square shank of bit with wrench.

Available in three sizes and two types—the square socket bits for Fords, the screw driver type for other cars. Satin chrome finish. NO. 370, screw driver bit. NOS. 371, $\frac{1}{32}$ " square; 372, $\frac{1}{16}$ " square

NET PRICE, each.....



Under-the-Dash and Electrical Screw Driver No. 309

This distinctive new screw driver is a sensation! It has an 8" pyralin handle, which is impervious to the transmission of electricity. Especially useful for under-the-dash service, because it definitely eliminates the possibility of short-circuiting or burning out fuses. Also useful for general electrical work, switch-boards, radios, etc. The small blade, of $\frac{1}{8}$ " square stock, extends only $\frac{3}{4}$ " out of handle.

NO. 309. NET PRICE, each.....



Long Blade Carburetor and Electrical Screw Driver No. 311A

Equipped with $\frac{5}{8}$ " x $2\frac{1}{4}$ " pyralin handle, it has a tungsten steel blade made from $\frac{1}{8}$ " square stock which is 6" long.

NO. 311A, length of blade 6", over-all length $8\frac{3}{8}$ ".

NET PRICE, each.....



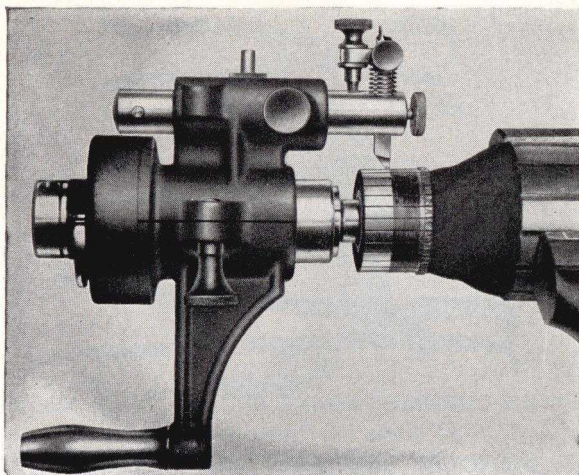
Voltage Regulator File No. VR-1

All modern automobiles are equipped with voltage regulators, the points of which must be occasionally cleaned and trued up by filing. This work cannot be done with a contact point file and the procedure of using sand paper or emery cloth is extremely bad practice.

The VR1 Voltage Regulator File has been specially built to do this work. It has extremely hard fast-cutting teeth which will file these voltage regulator points leaving them clean and true. It is just the right thickness to get between the points, something a contact point file will not do. Made from a very special alloy steel to give it long life and the ability to do this very special work which cannot be done with ordinary files.

NO. VR1. NET PRICE, each.....

Prices subject to change without notice.



RITE TOOL

PATENTED DUAL-PURPOSE UNIT

For Truing and Undercutting Commutators

A precision unit in every detail—makes short work of armature reconditioning—promotes customer satisfaction—increases profits.

Every mechanic knows that these two operations are really part of the same job. Now at last comes this patented, fully guaranteed Tool to serve both purposes with the greatest accuracy.

Here is a machine that can be used profitably by shops of every size. It is unexcelled for quick, accurate performance of the two related operations of truing and undercutting commutators.

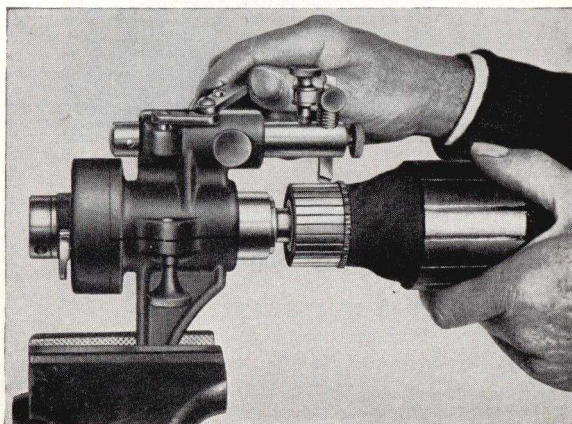
Once the RITE TOOL is on your bench, you are ready for another forward step . . . into the money-making business of Starting, Lighting, and Ignition Service.

RITE TOOL is the proud product of practical machinists who saw the need and perfected a tool for it. Only the best workmanship and materials go into this unit. It will give long, profitable service and is fully guaranteed.

NET PRICE, each complete in fitted metal box with 3 collets to fit all regular sizes of armature shaft.....

EXTRA COLLETS are available in the following sizes: .500, .590, .656, .687, .750, .787. Also .669 special for Ford 1941-42 generator at \$6.05 each Dealer net.

EXTRA TOOL BITS.....



The illustration at the top of the page shows the tool in position for truing commutators, with the first cut half-through. The illustration at the bottom shows how it is used for undercutting, complete instructions for operating accompanies each tool.



BRAKE SPRING PLIER NO. 182

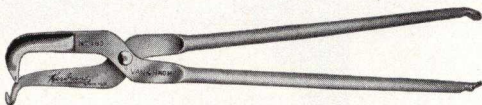
8½" Long

Drop Forged from Chrome Alloy Steel

Works efficiently on smaller springs where long handles would be awkward
Chrome plated with heads polished.

Length 8½". Weight 6 ozs.

NET PRICE, each.....



"VAN-CHROME" BRAKE SPRING PLIER NO. 183

13" Long for Heavy Duty Service

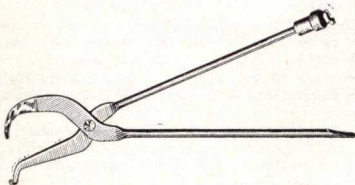
Drop Forged from Chrome Vanadium Steel

Here is a large size Brake Spring Plier with a generous capacity of jaw opening for the quick and easy removal and replacement of brake shoe springs on practically all cars equipped with internal brakes.

The sharp point of the goose-neck curve of the upper jaw anchors on the brake lining in a positive way, while the cork screw hook of the lower jaw pulls the spring into position readily. The ends of the handles have different forged notches—one end slips the upright springs into position on the stud, the other end removes them easily. Chrome plated polished heads.

Length 13". Weight 11 ozs.

NET PRICE, each.....



**Removing
Brake Springs
from Full
Floating Shoes**

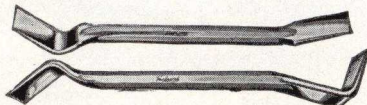
THE 183A UNIVERSAL BRAKE SPRING PLIER

Literally 2 Tools In 1

This plier is a big time saver on every brake job. It is a brake spring plier for all cars, because a specially built tool for taking springs off center pins on full floating brake shoes has been incorporated into one handle.

The plier itself is of improved design with increased clearance on the goose-neck curve of the upper jaw. When the sharp point is anchored on the brake lining the corkscrew hook of the lower jaw pulls spring readily into position. The end of the other handle is grooved to slip the eye of the spring over the stud on brake shoes so constructed.

183A Length 14" DEALER NET.....



STAR NUT BRAKE TOOLS

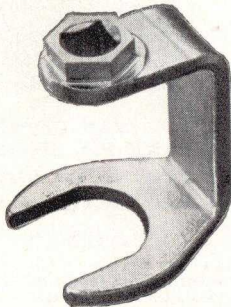
Drop Forged from Chrome Alloy Steel

Clears obstructions such as shock absorbers and frame fittings easily. Thinner and wide contact points and that sensitive touch so necessary for locating and adjusting the cog screw on Bendix Brakes. Chrome plated with polished points. Length 8". Weight 4½ ozs.

NO. 301 for Bendix Brakes on most passenger cars and trucks.

NO. 303 special for 1938-39 Chevrolet and other cars having a narrow brake slot.

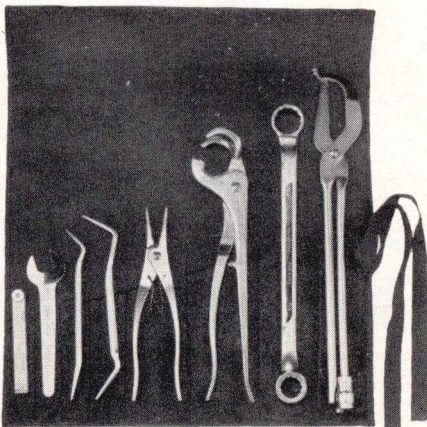
NET PRICE, each.....



S-76C Chrysler Camber Wrench

Camber wrench for eccentric adjustment nuts. Fits Chrysler products except the New Yorker model. $\frac{1}{2}$ " drive, $1\frac{13}{32}$ " opening.

DEALER NET PRICE.....

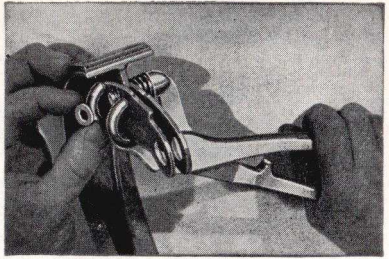


BR-8 Brake Service Kit

A complete set of tools for servicing all passenger car brakes. Contains 1 each of:

No. 301 star nut brake tool for Bendix, No. 303 star nut tool for Chevrolet, No. 183A brake spring plier for full floating end anchored shoes, No. 186 horseshoe rock-ring plier, No. 188 brake spring compressor for Chevrolet huck brake, No. G14 brake adjusting gauge, 9 blades .006 to .032, No. 603 single end open end wrench $\frac{11}{16}$ ", No. 3933 box wrench $\frac{3}{4}$ " to $\frac{13}{16}$ ".

DEALER NET PRICE.....



**VAN-CHROME No. 188
BRAKE PIN SPRING COMPRESSOR**
For Chevrolet Huck Brakes — A Real Time Saver
Will Pay For Itself on the First Job

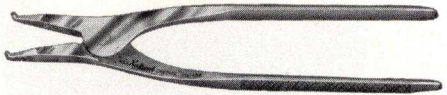
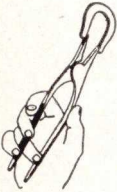
Drop Forged from Chrome Vanadium Steel

New — distinctive — original — and the simplest and quickest means of removing the special tension lock-washers used on the Huck brakes of all 1936 and later Chevrolet cars. A one-man tool that compresses the brake pin spring for instant removal or replacement of the special lock-washers that fit into the pin groove. Saves at least one hour on every brake relining job.

To reline these brakes it is necessary to remove the eight lock-washers and, by the common method, either two men were required or it was necessary to compress the springs with a vise and two small wood blocks. Replacement also was exceedingly difficult because of the extreme spring tension, and either method was tedious and time-consuming. Each job necessitates a repetition of this operation 16 times.

A newly invented Herbrand Tool that saves at least one hour of time on every Chevrolet brake relining job. Eliminates the tedious and unsatisfactory practice of using a vise, or other make-shift methods, in compressing the springs to remove or replace the 8 lock-washers (16 operations) which fit the grooved pins. With Plier No. 188, one man can do this job perfectly in not to exceed eight minutes. Satin nickel finish. Length 11".

NET PRICE, each.....



HORSE SHOE LOCK-RING PLIER 186
For Removing Horse Shoe Lock-Rings

Drop Forged from Chrome Molybdenum Steel

Developed to spread the snap lock-rings used so widely today on brakes, transmissions, differentials, pedal shafts, clutch shafts, fan pulley shafts and especially adaptable for spreading brake keys when removing them from the assembly. It is almost impossible to spread these lock rings with a screw driver or other make-shift methods because they are loose on the shaft and turn easily.

Especially adaptable for lock-rings used on Chrysler hydraulic brakes and Plymouth brake anchor pins.

Toothed on the outside of the jaws to prevent slipping. Will spread any lock washer up to 1¼". Handles are knurled, with a spring between them which keeps the jaws in closed position to facilitate handling.

Satin nickel, polished heads. Length 8¼".

NET PRICE, each.....



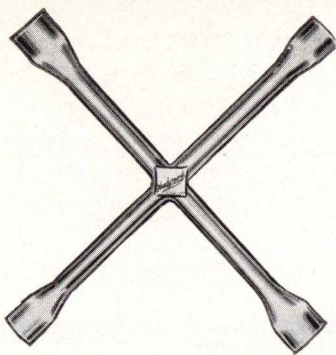
BRAKE PEDAL DEPRESSOR NO. 270
Automatic Lock—Ratchet Action Handle
For Brake Adjustment on all Cars

The necessary jack for brake adjustments. A "One-Man" Tool that depresses the brake pedal and holds it at any required position. The smooth-running rack and pinion are operated by a ratchet crank that locks automatically. When floor boards interfere with a full turn of the crank a simple outward pull on the handle brings the ratchet action into play and the adjustment is made freely with a half or quarter turn. This tool may also be used to hold up the oil pan while bolts are being replaced, to test the looseness of main bearings and to lift the weight of flywheel or crankshaft.

Satin finish. Adjustable length, 15½" to 25". Weight 2¾ lbs.

NET PRICE, each.....

Tire Tool Section



NO. 1053X and 1054X

FOUR-WAY RIM WRENCHES—NEW SERIES

Chrome Vanadium or Carbon Steel

Extra Long for Wide Fender Clearance

DROP FORGED IN ONE PIECE—NO WELDS

The modern car, with its wide apron fenders, requires this extra size 4-way Rim Wrench for clearance and to safeguard knuckles. Extra speed and leverage are provided with the 15-inch reach of this specially constructed 4-Way Rim Nut Tool. Solid, one-piece drop forging with no riveted or welded parts to loosen, bend or break. It has extra deep, solid forged sockets that fit down snugly over the nuts, and the backs of the heads are tapered to readily clear on all types of wheels. Heat treated from end to end, smoothly ground and attractively finished in chrome.

Openings $\frac{5}{8}$ ", $\frac{3}{4}$ ", $1\frac{1}{16}$ " and $\frac{7}{8}$ ". Length 15". Weight 2 lbs. 12 ozs.

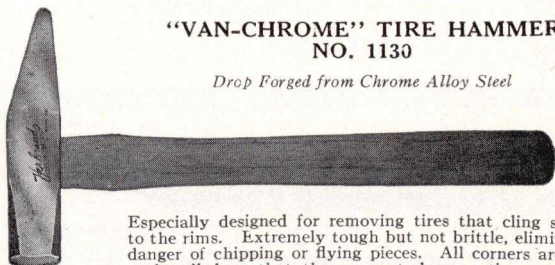
AVAILABLE IN TWO TYPES:

NO. 1053X is drop forged from special Analysis High Carbon Steel.
NET PRICE, each.....

NO. 1054X is drop forged from Chrome Vanadium Steel. Heat treated from end to end, smoothly ground, finished in chrome with polished sockets.
NET PRICE, each.....

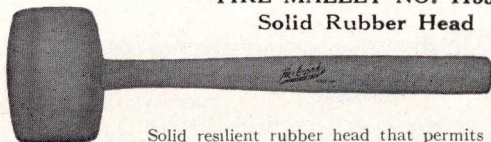
"VAN-CHROME" TIRE HAMMER NO. 1130

Drop Forged from Chrome Alloy Steel



Especially designed for removing tires that cling stubbornly to the rims. Extremely tough but not brittle, eliminating the danger of chipping or flying pieces. All corners are rounded or bevelled so that they cannot damage tire or rim. The head is firmly anchored to the handle. Satin nickel. High quality hickory handle. Length 14". Weight $3\frac{1}{2}$ lbs.
NET PRICE, each.....

TIRE Mallet NO. 1133-B Solid Rubber Head



Solid resilient rubber head that permits its practical use where a metal hammer would cause damage. It is intended for tire changes, but is also popular for automotive body work, fender straightening and for use on materials that are subject to bruising and marring.
Length 15". Weight 2 lbs.
NET PRICE, each.....



SPOON TYPE TIRE IRONS

Straight Pattern

Drop Forged from Tool Steel

Herbrand's Master Tire Irons were designed by tire experts for tire service men. The broad, thin, paddle-shaped blade takes hold of a larger area, lifting the tire from the rim in a few easy strokes with a minimum of effort and time. The blunt handle end is designed to drive dual tires and rings on or off. These irons are extra strong for gruelling work. Finished in satin nickel plate. Weight 2 lbs.

NO. 1126, 18" long.

NET PRICE, each.....

NO. 1126T, truck size, 23" long.

NET PRICE, each.....



SPOON TYPE TIRE IRONS

Curved Pattern

Drop Forged from Tool Steel

Master Tire Irons No. 1127 and No. 1126 are usually sold in pairs. The curved blade in combination with the straight one makes an unbeatable pair. They are perfectly balanced for ease of handling, and the broad blades avoid bruises and damage to the tire. Efficient on drop center rims. Satin nickel plate finish. Weight 2 lbs.

NO. 1127, 18" long.

NET PRICE, each.....

NO. 1127T, truck size, 23" long.

NET PRICE, each.....



SPECIAL RIM AND TIRE IRON

NO. 1125

Long Leverage

Drop Forged from Tool Steel



Shaped just right for efficient use and 20" long for extra leverage, this tool is exceptionally well balanced. An outstanding feature that all tire men will appreciate is the recessed grooves on the top and bottom of the working end. The round recess on the top hooks into the corner of the rim and holds it positively in place, while the elongated groove on the bottom hooks into the opposite corner of the rim and rides the two rim ends together. Makes tire changes easier and faster and eliminates the hazards of slipping. Satin nickel plate all over. Length 20".

NET PRICE, each.....



"VAN-CHROME" SIDE RING TOOL NO. 1135

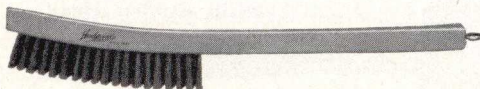
For New Firestone and Other Rims

Drop Forged from Chrome Molybdenum Steel

The latest Double End Tool for the easy removal of the continuous side rings used on Firestone RI, RH and other standard rims. The hook ends are shaped to positively engage the rings and wedge them from their seats with minimum effort. The heel of the tool creates a fulcrum that develops a powerful leverage under the pressure of the long bar. This two-in-one Ring Remover covers the broadest possible range of rim and ring work.

Length 20". Weight 1 lb. 2 ozs. Triple plated in satin nickel.

NET PRICE, each.....



TIRE AND RIM BRUSH NO. 1132

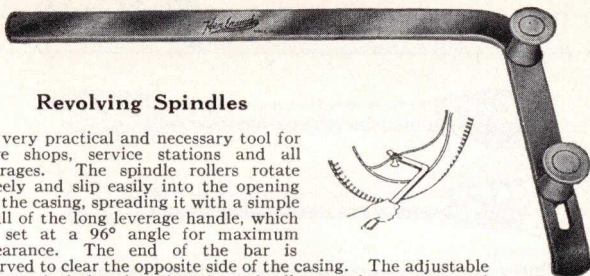
Curved Wood Handle

For Cleaning Rims and Casings

A good quality brush made of stiff, round steel wire. The 14" handle is curved to reach easily into the casings for cleaning. Handy for removing rust and dirt from rims and other metal parts. The brush part is 6" long.

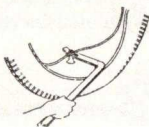
Length 14". Weight 14 ozs. NET PRICE, each.....

Adjustable Tire Spreader No. 1128



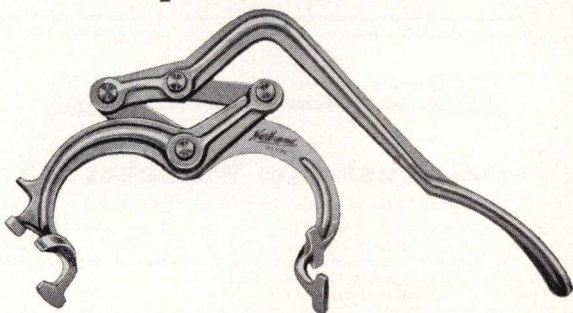
Revolving Spindles

A very practical and necessary tool for tire shops, service stations and all garages. The spindle rollers rotate freely and slip easily into the opening of the casing, spreading it with a simple pull of the long leverage handle, which is set at a 96° angle for maximum clearance. The end of the bar is curved to clear the opposite side of the casing. The adjustable feature is designed so that the end roller may be set to spread tires from 5½" to 7¾". Chrome plated finish. Length 18½".



NET PRICE, each.....

Dual Self-Adjusting Tire Spreader No. 1129



Compound Action—Eight-to-one Leverage Power For Car or Truck Tires

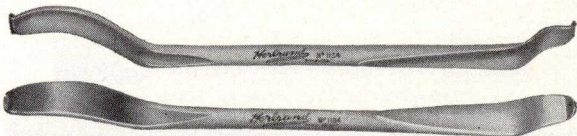
Whenever tires must be serviced, the dual-use tire spreader will be found invaluable. Compact, perfectly balanced, very light in weight, yet having abundant strength for spreading both truck and passenger car tires with negligible effort.

The cantilever action of the handle and compounded eight-to-one leverage provides tremendous power that spreads any tire up to 8½" opening. The connecting joint is eccentric and automatically locks the spreader in open position, leaving the operator's hands free for accurate and safe inspection. Positive gripping jaws at the working end of the tool hold with equal security on all passenger car and small truck tires. On the left arm of the spreader two jaws are provided: the lower for passenger car work; the upper specially designed for truck tires.

The unusual yet very practical features of this unique tool will be greatly appreciated by tire service mechanics. Slip the jaws into the casing, press down the handle, and the tool locks with the casing wide open for unobstructed examination.

NO. 1129, length, open position, 15½"; opening capacity, 8½".

NET PRICE, each.....



"NO-PINCH" TWIN TIRE IRONS NO. 1134 Revolutionary Design for Drop Center Rims

Drop Forged from Tool Steel

Used in pairs, these twin tire irons developed by Herbrand engineers have revolutionized tire service on drop centre rims. All hazards of pinching tubes and stretching or distorting casings are eliminated.

Every mechanic knows that all too many tubes are pinched and casings distorted through the use of outmoded or makeshift tire irons. Actual statistics compiled in shop research show that two or three tubes are thus ruined in the average shop every week.

To overcome this increasing spoilage of tubes and damage to tires, Herbrand presents these "no pinch" twin tire irons, accurately engineered to fit the modern drop center rims now used so extensively on modern cars. They work with a degree of ease and safety never before achieved.

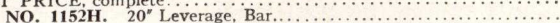
One end of these dual-use irons is for removing casings—the other end for replacing them—and each end is plainly marked "on" or "off" to facilitate application.

Acclaimed as the fastest and safest ever built. Once used by the mechanic, he will never be without them.

NO. 1134, length 18". NET PRICE, each.....



rim nuts and 1" hex opening for later Internationals.....



Lube-O-Matic Tool Board

MORE LUBE JOBS ON AUTOMATIC TRANSMISSIONS



Your customers are being educated to demand a clean job when you lubricate their automatic transmission. Lube-O-Matic tool board shows them that you have the correct special tools to lubricate automatic transmissions and indicates you will do a clean job.

Your Lube-O-Matic tool board lets your customers inspect your clean tools. Your Lube-O-Matic tool board is especially designed and lettered to identify each tool and is finished for easy cleaning. It not only holds all tools presently needed but also provides space for additional tools which may be needed for future car models.

Each tool and every set has been carefully selected and tested in conjunction with car manufacturers and oil companies. Herbrand offers the most practical assortment of tools for automatic transmissions. All of these tools are top quality—rugged, latest design, triple alloy steel, gleaming easy-to-clean chrome finish.

DESCRIPTIVE LIST OF *Herbrand* TOOLS FOR

- | | | |
|---------------|---------------|---------------|
| — HYDRA-MATIC | — DYNAFLOW | — ULTRAMATIC |
| — POWERGLIDE | — FLUID DRIVE | — DRIVEMASTER |

UNIVERSAL SETS (SS-40 & SS-41)

Universal Sets (SS-40 and SS-41) contain the tools to handle all automatic transmission lubrication jobs including Chrysler Fluid Drive and Hudson Wet Clutch.

Contents: J-10 Ratchet, $\frac{3}{8}$ " drive; J-29 11" Extension; J-214 $\frac{1}{16}$ " 8-point Socket; J-509 $\frac{9}{32}$ " 4-point Socket; J-614 $\frac{1}{16}$ " 6-point Socket; J-616 $\frac{1}{2}$ " 6-point Socket; J-618 $\frac{9}{16}$ " 6 point Socket; JC-614 $\frac{3}{4}$ " 6 point Hold-it Socket; JH-622 $\frac{11}{16}$ " 6 point Socket; AW-6 $\frac{5}{16}$ " Allen Set Screw Wrench; 817 10" Blade Screw Driver; 5733 $\frac{7}{8}$ x 1" Box Wrench.

NO. SS-40 on Lube-O-Matic Board. NET PRICE.....

NO. SS-41 in Metal Box. NET PRICE.....

DELUXE UNIVERSAL SETS (SS-50 & SS-51)

If you want the last word these deluxe sets are it. In place of the standard J-10 ratchet and 11" extension, you will have the revolutionary new J-9 Speed-ratchet and a 5" extension. All other tools are the same as in SS-40 and SS-41.

NO. SS-50 on Lube-O-Matic Board. NET PRICE.....

NO. SS-51 in Metal Box. NET PRICE.....

Lubricating Tool Section



ONE-MAN GREASE BAR NO. 190

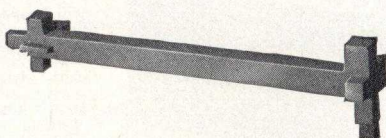
For Frozen Shackles

Drop Forged from Tool Steel

Frozen shackles are quickly freed and thorough greasing becomes an easy, one-man job with this scientifically designed bar. The fork end fits over the spring and applies side pressure instead of end pressure, and is set at a 25° angle to give easy access to any type of spring. It clears the crankcase, muffler, fenders and grips three spring leaves, and eliminates the hazard of bending, distorting or otherwise damaging the shackles in an effort to force grease through the bushings. The long, thin pry end with the knurled base prevents slipping. Drop forged from $\frac{3}{4}$ " octagon tool steel, heat treated and finished in chrome plate.

Length 30". Weight 4 $\frac{3}{4}$ lbs.

NET PRICE, each.....



"VAN-CHROME" DRAIN PLUG WRENCH NO. 193

Ten Tools in One For All Female Plugs

Drop Forged from Chrome Alloy Steel

Combined in one wrench are the ten different sizes of lugs required to service all countersunk drain and filler plugs in the clutch, crankcase, transmission and differential on most automobiles and trucks. The lugs are forged accurately to size, assuring perfect fit. Provides powerful leverage to easily remove stubborn plugs. Chrome finish.

NET PRICE, each.....



"VAN-CHROME" DRAIN PLUG WRENCH NO. 194

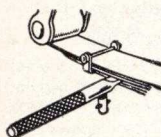
Seven Wrenches In One For All Male Plugs

Drop Forged from Chrome Alloy Steel

Fits the male plugs on crankcase, transmission and differential of practically all cars. Seven different 6-point and 8-point openings combined in one wrench, properly sized to fit all late models, including Ford, Chevrolet, Pontiac, Plymouth, Dodge, Buick, Studebaker, Olds and other makes. The openings are individually machined to precision limits, which insures a perfect fit and prevents mutilating or distorting plugs. Heat treated and finished in chrome plate.

Length 9". Weight 11 ozs.

NET PRICE, each.....



STOP-SQUEAK SPRING LUBRICATOR NO. 198

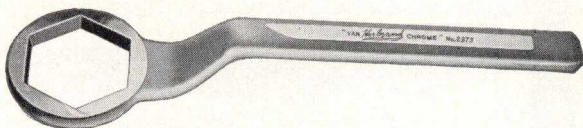
Universal For All Car Springs

The surest method of lubricating springs down to the last squeak! This inter-leaf system of oiling and greasing reaches the exact spot and lasts longer than spray oiling or any other method. Hours of time and aggravation cannot accomplish what this simple tool does in a few moments. Insert the wedge between the spring leaves, attach the grease gun to the conventional fitting, operate in the customary manner, and the grease is forced through the tool and out of the tapered end directly to the point of the squeak. Taking the weight off the springs by jacking the car up makes this simple operation even simpler, although this is not necessary to do a perfect job of greasing.

Machined from Chrome Molybdenum Steel, hardened and tempered for extra strength and finished in satin nickel. The finely tapered wedge readily separates the spring leaves, and the V-shaped opening is milled to the proper size to permit an easy flow of grease, which is forced through the standard grease gun fitting. The handle is deeply cross-knurled for a non-slip grip.

Length 5 $\frac{1}{4}$ ". Weight 7 ozs. Chrome finish.

NET PRICE, each.....



**VAN-CHROME No. 2373
CRANKCASE DRAIN PLUG WRENCH**

For Ford and Mercury Cars

Drop Forged from Chrome Molybdenum Steel

The crankcase drain plugs on the 1939 Ford V8 and Mercury cars cannot be reached with ordinary wrenches.

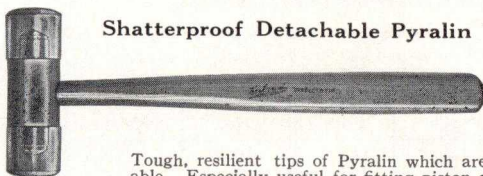
This wrench is drop forged from Chrome Molybdenum steel—not a stamping or casting. It is precision made for perfect fit and will give unlimited service under hard, daily usage.

2" hexagon opening accurately sized to perfectly fit the special plug. Designed with a unique bend to clear all obstructions. The 11" handle provides plenty of leverage. Plated in chrome with polished faces. Weight 1 lb. Packed 6 to the box.

NET PRICE, each.....

PROTECTOTIP HAMMERS AND MALLETS

Shatterproof Detachable Pyralin Tips



Tough, resilient tips of Pyralin which are easily replaceable. Especially useful for fitting piston pins, wrist pins, gears, bearings, tapping valves, ignition and distributor work. Made in two sizes. The centre is nickel steel,

with the best quality hickory handle securely wedged to the heads so they will not come off.

NO. 652, Hammer, 8-oz. Tips 1" diam.....NET PRICE, each....

NO. 653, Extra Pyralin Tips.....NET PRICE, each....

NO. 654, Hammer, 12-oz. Tips 1½" diam.....NET PRICE, each....

NO. 655, EXTRA Pyralin Tips.....NET PRICE, each....

The rubber head is easily replaced when worn down, by pressing on a new head in a vise; use shellac or rubber cement.



**2-Way Hammer
No. 1144**

Perfectly Balanced—Even Weight Distribution

For Body, Fender, Tire Work and General Usage

Rebound is eliminated in this Dual-Use Hammer which has a small, tough, rubber head on one end and a drop forged steel head on the other. The weight of the heads is equally distributed, and it is so perfectly balanced that it has none of the bulk and clumsiness associated with mallets. The 2" face rubber head is equal to the weight of a 2¼-pound mallet. The 14" handle gives tremendous hitting force. Machine, body and fender shops will find the 2-Way Hammer indispensable. It is very efficient for seaming sheet metal, drawing rivets, mounting tires, driving on rims without injury. 14" handle of first quality, second growth hickory. Weight 2¼ lbs.

NO. 1144, Hammer. NET PRICE, each.....

NO. 1144H, Replaceable Head. NET PRICE, each.....

Prices subject to change without notice,



Herbrand Ball Pein Hammers

Highest Quality—Full Finished

Drop Forged from Chrome Steel—Selected White Hickory Handles

Available in Eight Sizes

Good hammers are an indispensable necessity to any mechanic. Herbrand Hammers have been designed with a view to making them absolutely the most efficient on the market.

The heads are drop forged from a special analysis of chrome steel, individually double heat treated and oil tempered. The ball peins and faces are hand ground to a polished finish and tempered to an exact harness for maximum wear. They will stand unusual service without spreading or chipping.

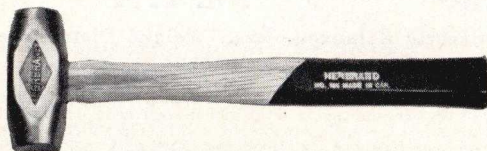
Handles are made from selected, first-quality, seasoned white hickory, with lengths carefully balanced for maximum hitting power and securely wedged to the heads so they will not come off.

Mechanics who appreciate a high-quality hammer will find Herbrand without an equal.

No.	Weight	Net Price	No.	Weight	Net Price
BP-3	3 ozs.		BP-20	1¼ lbs.	
BP-6	6 ozs.		BP-24	1½ lbs.	
BP-8	8 ozs.		BP-32	2 lbs.	
BP-12	12 ozs.		BP-40	2½ lbs.	
BP-16	1 lb.		BP-48	3 lbs.	

Handles for Ball Pein Hammers

No.	Net Price	No.	Net Price
BP-8-H		BP-24-H	
BP-12-H		BP-32-H	
BP-16-H		BP-40-H	
BP-20-H		BP-48-H	



No. 126 Bronze Hammer

A soft bronze hammer for driving easily damaged parts. Head polished and lacquered. White hickory handle,

Weight 1 lb. 10 oz.

DEALER NET PRICE.....



VALVE SPRING LIFTER NO. 2365
New Design for All Fords

Drop Forged from Select Tool Steel

Designed with a universal type jaw that combines two sizes for servicing all V-8 Fords from 1932 to the latest models. It saves time over any other type lifter, and the 24" length provides ample leverage for removing the stiffest springs. Drop forged in one piece from special Tool Steel, the large knurled handle gives a firm, steady grip.

To service models 1932-33: Insert fork near bottom of spring, depress handle, using opposite block as a fulcrum. This enables retainer washer to be removed; then withdraw valve lifter and drive guides out.

To service models 1934-35: With heel of tool upward, insert fork near lower end of valve guide. Pull upward on handle, pushing valve guides down, which permits removal of horse-shoe lock. Reverse tool, push down on handle and valve and guides will push out at top of block. For badly carbonized guides use as described for 1932 models and remove valve spring retainer. Attractively finished in chrome plate.

Length 24". Weight 2 lbs.

NET PRICE, each.....



SPECIAL CONNECTING ROD SOCKET
NO. S-118V

1/2" Square Drive—For Ford V-8

Hot Forged from Chrome Molybdenum Steel

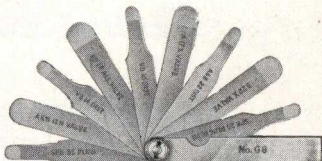
Special extra thin wall socket with 9/16", 12-point hot forged opening. Standard sockets will not handle this job. Due to extreme thinness necessary this socket is not guaranteed.

NET PRICE, each.....

"VAN-CHROME"
SPECIAL FORD
FEELER GAUGE
NO. G-8

For All Models

*Pretested for Accuracy
and Temper*



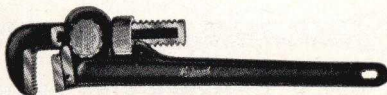
Designed especially for mechanics who have occasion to work on Ford cars. Standard gauges do not ordinarily contain the special sizes necessary for Ford work. The G-8 carries the nine special sizes necessary for tappet points and plugs to fit all models from 1928 to 1950.

Seven of the blades have special go and no go (double thickness) features—one thickness goes, the other does not—and all are marked for thickness and the special job they fit. Equipped with a knurled locknut, which releases the blades instantly for rapid selection and locks the desired blade into working position.

An exceedingly useful tool that no mechanic should be without.

See page 117 for complete Feeler Gauges.

NET PRICE, complete.....



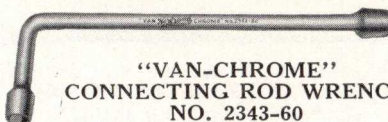
SUPER-STRENGTH PIPE WRENCHES

Drop Forged Alloy Steel Jaws

The Superior design of the Herbrand Pipe Wrench makes it far more efficient and easy to handle than the conventional Stillson pattern. The non-breakable, open housing with free-riding adjustment nut is quickly appreciated by mechanics. The hook-jaw is drop forged from a high quality Alloy Tool Steel, and will grip and hold perfectly under the stiffest pull and will not lock on the pipe.

Herbrand Pipe Wrenches are heat treated throughout and are finished in baked black enamel with bright polished edges.

Length	Jaw Opening	Net Price Each	Length	Jaw Opening	Net Price Each
6	1 1/8		14	3	
8	1 5/8		18	3 1/2	
10	2 1/8		24	4 1/4	
12	2 1/2		36	5 1/2	



**"VAN-CHROME"
CONNECTING ROD WRENCH
NO. 2343-60**

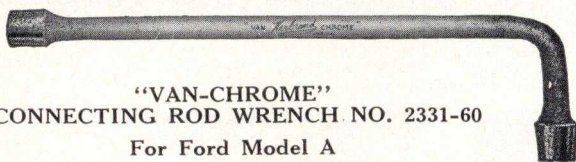
For Ford 60 Model

Forged from Chrome Vanadium Steel

A double-end wrench, with 3" offset bent at right angles; has duplicate 6-point, $\frac{1}{16}$ " openings with extra deep, very thin walled, tapered sockets for clearance. First apply short, offset end for leverage to break nut loose, then reverse wrench and spin off nut. This wrench is necessary for efficient work on new Ford 60 connecting rod nuts. Expertly forged and heat treated for long life.

NO. 2343-60, length 11", $\frac{1}{16}$ " openings.

NET PRICE, each.....



**"VAN-CHROME"
CONNECTING ROD WRENCH NO. 2331-60**

For Ford Model A

Forged from Chrome Vanadium Steel

This newly designed wrench is built for easy access to the connecting rod nuts on the Ford Model A. It has nominal openings of $\frac{21}{32}$ ", 6-point extra deep sockets on each end, specially sized and shaped to fit the tapered nuts, and has the correct bend and length of handle for clearance and power. Accurately forged from Chrome Vanadium Steel and carefully heat treated.

NO. 2331-60, length 11 $\frac{3}{4}$ ", $\frac{21}{32}$ " openings.

NET PRICE, each.....



**"VAN-CHROME" FORD V-8 BRAKE WRENCH NO. 2333V
Special Offsets—Extra Long Reach—For New Models**

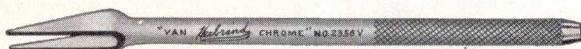
Drop Forged from Chrome Alloy Steel

Adjusting brakes on the new V-8 with the ordinary straight wrench is a very dirty, messy and difficult job. This new wrench was designed with special bends and offsets to easily reach behind the wheel and tire. It clears shock-absorber arms, brake drums and other obstructions, leaving the operator's hands free to do a perfect job of adjusting quicker and easier. The 15" length provides the extra leverage to break loose frozen and corroded nuts.

The unique offsets on this special wrench clear the obstructions encountered in adjusting the new Ford V-8 brakes. The extra long handle gives greater leverage. Fits all models.

Chrome plated finish. 8-point openings, $\frac{7}{16}$ " for passenger cars and $\frac{1}{2}$ " for trucks. Length 15".

NET PRICE, each.....



**FORD SHOCK ABSORBER LINK SEPARATOR
No. 2356V**

For Late V-8 and Other Models

Drop Forged from Chrome Molybdenum Steel

Shock absorber links should not be removed by driving against the bolt with a hammer because threads become mutilated and also there is too much spring in the arms. This newly designed tool is specially built to do this difficult job with a minimum of energy and time.

The long tapered prongs are accurately sized to readily wedge between the parts and quickly separate them. Equally efficient for separating tie rod joints.

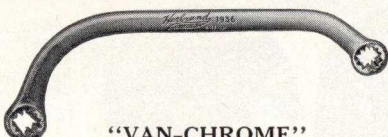
This powerful wedging tool is essential to take care of the shock absorbers including those incorporating recent engineering changes.

To operate—Remove the nut from the tapered bolt that holds the shock absorber link. Place the wedge shaped fork between the link and shock absorber arm and a few sharp blows with a hammer forces the tapered bolt out of the arm.

Chrome plated finish, polished ends. Length 15". Weight 1 $\frac{1}{2}$ lbs.

LIST PRICE, each.....

Chevrolet Service Tools



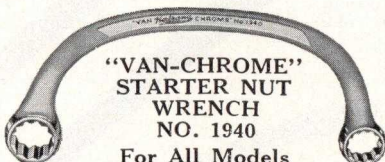
"VAN-CHROME" STARTER AND MANIFOLD WRENCH NO. 1936 For Buick, Chevrolet, Pontiac, Terraplane

Drop Forged from Chrome Vanadium Steel

A real time-saving tool that replaces many special, costly wrenches. Combines 12-point openings of $\frac{5}{8}$ " and $\frac{9}{16}$ ". The $\frac{5}{8}$ " opening fits Buick, Chevrolet, Pontiac Six and Pontiac Eight starter, also Buick manifold. The $\frac{9}{16}$ " opening fits Buick heat trap and carburetor nuts, Chevrolet manifold, Terraplane starter and Pontiac manifold. The unique design and thin heads permit reaching around corners and interfering parts. Chrome Plated finish, polished heads.

Length $9\frac{3}{8}$ ". Weight 7 ozs.

NET PRICE, each.....



"VAN-CHROME" STARTER NUT WRENCH NO. 1940 For All Models Chevrolet

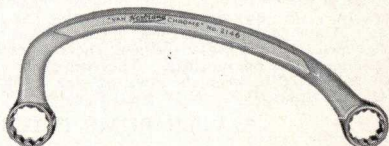
Drop Forged from Chrome Vanadium Steel

Combining the two popular 12-point openings, $\frac{5}{8}$ " and $\frac{3}{4}$ ", this new special bend wrench clears all obstructions for immediate contact with the nuts on the starter motor housing on all Chevrolet models. The $\frac{5}{8}$ " opening takes care of the nuts on all cars up to 1937, and the $\frac{3}{4}$ " end handles the 1937 models. The unusual contour, extra deep bends and popular combination of openings adapt the wrench to many applications where space is confined and nuts are badly obstructed.

NO. 1940, opening $\frac{5}{8}$ " and $\frac{3}{4}$ ". Length $7\frac{3}{4}$ ".

NET PRICE, each.....

"VAN-CHROME" STARTER AND MANIFOLD WRENCH NO. 2146



For Late Model Chrysler-built and Other Cars

Drop Forged from Chrome Vanadium Steel

The combination $\frac{9}{16}$ " and $\frac{5}{8}$ ", 12-point openings, with the special bends and this side walls for perfect clearance, are particularly designed to service exhaust manifold and starter nuts on late model Chrysler-built cars, where ordinary wrenches are useless.

The $\frac{9}{16}$ " opening is angled to fit the exhaust manifold nuts and has been made extra thin for easy engagement and ample clearance.

The $\frac{5}{8}$ " opening fits the starting motor nuts, and the unusual bend clears the steering column control rods and other obstructions that interfere with ordinary wrenches.

NO. 2146, openings $\frac{9}{16}$ " and $\frac{5}{8}$ ". Length 7".

NET PRICE, each.....



"VAN-CHROME" MAIN BEARING WRENCHES For Chevrolet, Chrysler, Dodge, Plymouth, Pontiac

Forged from Chrome Vanadium Steel

Designed for more efficient main bearing work on all Chevrolets from 1929 to present models, these wrenches also fit many other popular cars. The $15\frac{1}{2}$ " length is necessary for clearance, accessibility and maximum handling efficiency. The heads are offset at the correct angle for easy operation.

NO. 1938 has 6-point openings, $1\frac{1}{16}$ " and $2\frac{3}{32}$ ", which are the necessary sizes for late 1933 and early 1934 Chevrolets.

NO. 1939 combines $1\frac{1}{16}$ " and $\frac{3}{4}$ ", 12-point openings, which are adaptable to main bearing work on Chevrolet Models late 1934 and 1935. This wrench also services Pontiac 8, 1933 to 1935, inclusive; Chrysler 6 and 8; Dodge 6 and 8; Plymouth, 1930 to 1935, inclusive.

They also fit the cylinder head bolts on the cars listed.

Triple satin nickel with polished heads. Length $15\frac{1}{2}$ ". Weight 1 lb.

NET PRICE, NOS. 1938, 1939, each.....

CHANNELLOCK PLIERS—SELF-GRIPPING



Note the tongue and groove. Channellock removes all strain on bolt. (Patented in Canada 1933)

(U.S. Patent
No. 1950362)

Thin jaws, light weight; can be carried in the pocket. Length $9\frac{1}{2}$ ". Weight 14 ozs.

Angle of jaws permits use on pipes or rods flush to wall.

Capacity $\frac{3}{16}$ " to $1\frac{1}{8}$ ".

HEAVY DUTY CHANNELLOCK PLIER NO. 410

The tongue and groove Channellock joint of these new and revolutionary pliers provides a vise-like grip entirely independent of the gripping power of the user's hand. In fact, the most stubborn nut or pipe may be turned merely by applying pressure to one handle of the tool. The unusually large bearing surface of the Channellock joint provides quick and positive adjustment, and does away with any possibility of shearing the joint bolt even under the extreme power provided by these pliers. Made of highest grade Alloy Steel, toughened by triple heat treatment, these pliers will stand any strain that the user himself will put on them. They will give a positive grip on anything that can be inserted between the jaws, offering a multitude of uses.

NO. 410, length $9\frac{1}{2}$ ". **NET PRICE**, each.....

WATER PUMP PLIER NO. 420



Note the
Channellock



The design of this plier makes it particularly serviceable in adjusting packing-glad nuts on practically all cars, trucks and smaller industrial engines. Light and thin, but of amazing strength because of the Channellock feature. No danger of the bolt breaking, all strain being removed from the bolt because of the unique Channellock design.

NO. 420, length $9\frac{1}{2}$ "; capacity $\frac{1}{2}$ " to $1\frac{1}{8}$ ". **NET PRICE**, each.....

GENERAL PURPOSE PLIER NO. 407



Note the
Channellock



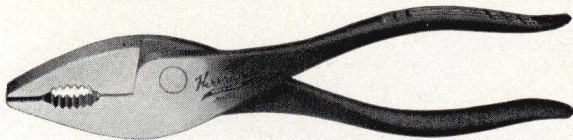
Self-gripping

A new and revolutionary plier with the Channellock design, the jaws take positive grip of corroded and mutilated nuts. This plier is self-gripping. Pressure need be applied only to the one handle—the more pressure, the tighter the pliers grip. Because of the Channellock feature, removing all strain from the bolt, the plier is practically indestructible. This plier, because of the two adjust-

ments provided, is very useful for a great many purposes, such as removing small grease plugs, Alemite and small copper pipe connections, and is also adaptable to brake rod connections, etc.

NO. 407, length 7"; maximum capacity $\frac{1}{8}$ " to $\frac{9}{16}$ ".

NET PRICE, each.....



General Purpose Plier No. 537

Drop Forged from Special Alloy Steel—Double Heat Treated and Tempered

Here is the answer to the mechanics' demand for a general-purpose plier in which workmanship, material and design have been combined in a most unusual manner to give it the highest possible efficiency over a wide range. The handles, which are deeply knurled and curved outward at the ends to prevent slipping, have been expertly proportioned to provide powerful leverage. The finely tapered jaws will reach into confined spaces and their accurately milled (not stamped) teeth will take a positive biting grip on anything they engage.

The side cutters have hand-honed, perfectly aligned cutting jaws which will retain their clean, sharp cutting edges indefinitely, and a double slip joint provides a wide range of capacity.

The No. 537 is an exceedingly high-grade plier and an indispensable part of every mechanic's kit.

NET PRICE, length 8", each.....



General Purpose Plier No. 516

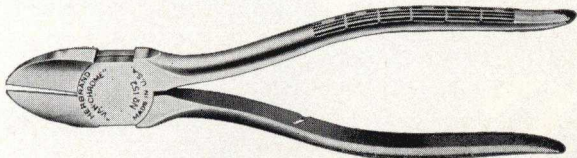
The No. 516 Plier is of the same general construction and high-grade quality as the No. 537. Lighter and smaller than its larger brother, it will, nevertheless, be found to have a wide range of efficiency.

Sturdily built, yet with a medium-thin nose, this powerful little plier has precision, machined jaws that will hold a hair.

For all work where small parts have to be contended with this No. 516 is indispensable.

The handles are knurled and shaped to fit the hand for easy gripping.

NO. 516, length 6". NET PRICE, each.....



Heavy Duty Diagonal Cutter No. 437

Unequalled in Toughness and Cutting Power

Drop Forged, Heat Treated and Individually Tested

At last! A real pair of Diagonals. Unequalled for sheer cutting ability. The perfectly aligned cutting blades are hand filed and honed to retain their clean, sharp edges. Precision built, with a short fulcrum to provide a powerful leverage with a minimum of hand pressure, and equipped with an easy-riding joint. The handles are full fashioned and deeply knurled in a special pattern to provide a comfortable, non-skid grip. The gracefully tapered nose is designed for maximum clearance in confined working quarters.

Many special features are incorporated in the design of this Herbrand Diagonal. Individually drop forged from grain controlled Tool Steel of special analysis, hardened and tempered by thorough heat treatment all the way through to impart a toughness and keen cutting power which will give unfailing service. Smoothly ground and hand polished.

Length 7½". Weight 8 ozs.

NET PRICE, each.....

Prices subject to change without notice.

No. 31-6



No. 31-7



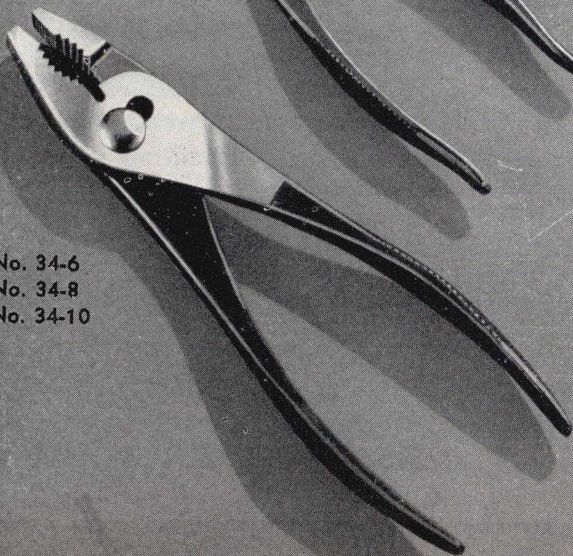
No. 32-7



No. 33-5
No. 33-7



No. 34-6
No. 34-8
No. 34-10



"Van-Chrome" Mechanics' Pliers

A Size and Type for Every Need

Drop Forged from Special Chrome Alloy Steel

Dependable, well-designed pliers are the most important tools in the mechanics kit. Basically, the selection of the steel used together with exactly controlled heat treatment, tempering, fitting and expert construction produces the highest type of precision pliers available, "Van-Chrome" Pliers are designed and built for the mechanic. They are drop forged from special analysis Chrome Alloy Steels, each one carefully selected so that the Alloy used is best suited for each particular type of plier and its uses. Exceptionally long life, remarkable strength and durability are imparted because they are scientifically heat treated and tempered—through and through to the very heart of the metal—by positively controlled processes.

6" DIAGONAL CUTTERS NO. 31-6

There's real cutting power in these lightweight Diagonals. Drop forged from special Nickel Molybdenum Steel—thin, narrow, hand-honed jaws to work easily in close quarters—especially handy for ignition and electrical work.

NET PRICE, each.....

7" DIAGONAL CUTTERS NO. 31-7

A moderately priced cutter of dependable quality—designed for great leverage—a handy cotter pin puller—mated, hand-edged cutting blades that will cut clean and stand up—tapered nose for maximum clearance. Drop forged from Nickel Molybdenum Steel.

NET PRICE, each.....

7" GIANT DIAGONAL CUTTERS NO. 32-7

Extra high leverage—heavy duty construction for power and long life—full-fashioned long handles for easy cutting—drop forged from Nickel Molybdenum Steel—hand-honed, matched cutters.

NET PRICE, each.....

CUTTING AND GRIPPING PLIERS

Adjustable Joint

Two tools in one—an all-around Plier that combines sturdy gripping power and an excellent Side Cutter for general purpose work. Slender jaws with two-position slip joint—head rivet flush on one side. Drop forged from Chrome Vanadium Alloy Steel. Keen, sharp cutting edges are hand-honed for durability. Available in two sizes

NO. 33-5, length 5½". Weight per dozen 3 lbs.

NET PRICE, each.....

NO. 33-7, length 7".

NET PRICE, each.....

HEAVY DUTY COMBINATION PLIERS

Adjustable Joint—Wire Cutters

General use Pliers of unusual strength—designed for heavy duty work that ordinary pliers can't handle. Featuring the notch type wire cutters that pass at any angle and give a clean cut. Thin jaws—bow handles for powerful leverage. Drop forged from Chrome Vanadium Alloy Steel. Available in the three popular lengths:

NO. 34-6, length 6".

NET PRICE, each.....

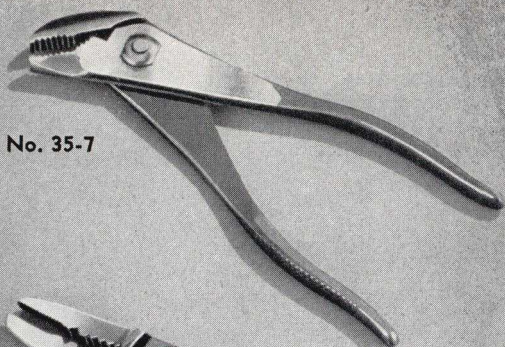
NO. 34-8, length 8".

NET PRICE, each.....

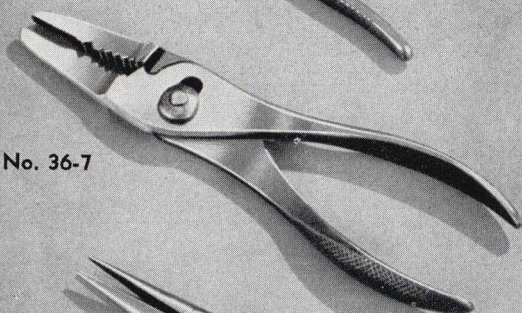
NO. 34-10, length 10".

NET PRICE, each.....

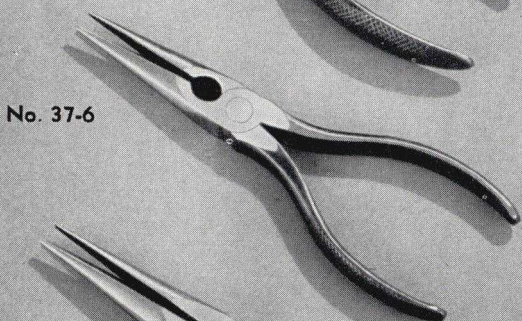
Prices subject to change without notice.



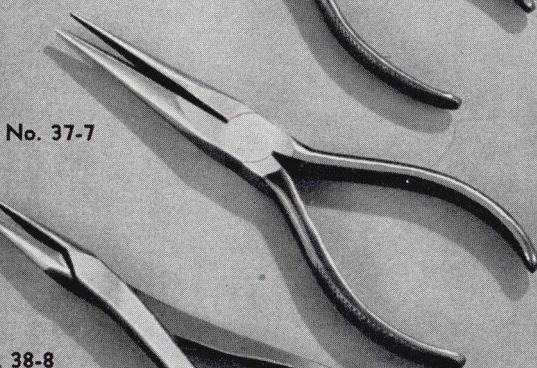
No. 35-7



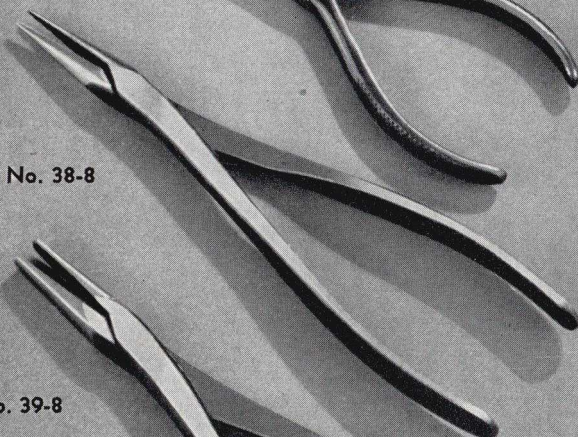
No. 36-7



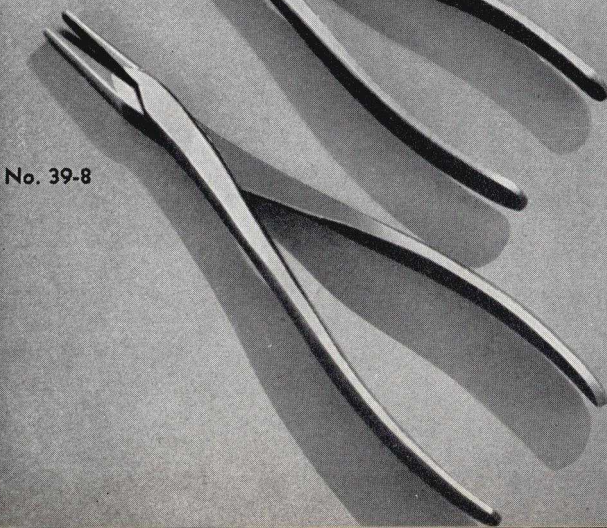
No. 37-6



No. 37-7



No. 38-8



No. 39-8

Automotive Mechanics' Pliers

(Continued)

Built to the highest standards, they are perfectly balanced and accurately mated with smooth, easy-riding joints. The sharp, deeply milled teeth will not mushroom, giving the plier the utmost gripping or cutting power with a minimum of pressure on the handles. Each "Van-Chrome" Plier is individually bench-tested and inspected to insure delivery of only perfect tools.

The Cutting Pliers have perfectly aligned blades that are hand-filed and honed to retain their true, sharp cutting edges. The full-fashioned handles are knurled for a comfortable, non-slip grip. Finished in rustproof gunmetal with bright heads. Individually boxed.

ANGLE NOSE PLIERS NO. 35-7

Adjustable Joint—Thin Jaws

The thin head of this Powerful Gripping Plier is set at a 45° angle to reach and turn objects that are inaccessible to conventional pliers. The teeth are milled and set as in a stillson wrench and will not slip on round rods, pipe or irregular shapes. The three-position adjustable slide-joints increase the range of service to fit a wide variety of popular sizes. Drop forged from Nickel Molybdenum Alloy Steel—heat treated and tempered throughout. Length 7".

NET PRICE, each.....

LONG NEEDLE NOSE PLIERS NO. 37-6

With Side Cutters

Used by mechanics in practically all trades, these Long Needle Nose Pliers are essential for ignition, electrical, telephone, radio and all work that demands an extra long reach—especially handy on fine and delicate jobs. Equipped with powerful, hand-honed cutters. Finely balanced with spring tempered long nose and handles. Drop forged from Nickel Molybdenum Alloy Steel. Length 6".

NET PRICE, each.....

LONG REACH CHAIN-NOSE WIRING PLIER NO. 38-8

Thin, pointed jaws that reach into the most confined places where fingers and the other pliers can't go. The extra long leverage handles give unusual gripping ability. A General-use Plier not only for automotive mechanics and electricians, but also for work on all small machines. Drop forged from Chrome Vanadium Steel. Has wide, smooth, spring tempered handles. Length 7¾".

NET PRICE, each.....

LONG REACH DUCK-BILL PLIERS NO. 39-8

A similarly designed Plier with all the working advantages of No. 38-8 described above, but with duckbill jaws. Has wide, spring tempered, smooth handles. Length 7¾".

NET PRICE, each.....



No. 165 GENERAL PURPOSE MIDGET PLIER

Especially Designed For Small Work

Herbrand now offers a new mighty midget plier for use in getting at the hundreds of small, awkwardly placed nuts on motor, distributor, generator, magneto, dash panel, radio—etc., in automotive service.

The new Midget Plier is a precision-made plier in beautiful satin finish... only 4½" long, light and thin, yet with the rugged strength of drop-forged alloy steel. Its handles are shaped for ease of handling—and gripping jaws are serrated for sturdy hold on the smallest nuts. Handy for the pocket... perfect for the job.

MECHANICS' NET PRICE

Prices subject to change without notice.

Original Multigrip Pliers

Drop Forged from Chrome Vanadium Steel



MULTIGRIP MIDGETS NOS. 167 AND 167½

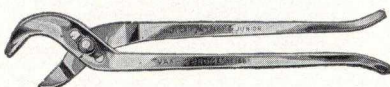
Little giants of capacity and utility for ignition, radio and general electrical work. No. 167 has finger-tip control handles. No. 167½ full grip handles. Range 0" to ⅛". Length 4½". Weight 2 ozs.

NO. 167, hand polished chrome.

NET PRICE, each.....

NO. 167½-N, hand polished nickel. (temporarily unavailable)

NET PRICE, each.....



MULTIGRIP JUNIOR NO. 168

A versatile tool for general service—replaces the conventional type plier. It fits the popular sizes of S.A.E. nuts, and the handy 7½" length and small head are very convenient for reaching into close quarters. Range 0" to ¾". Length 7½". Weight 4½ ozs.

NO. 168

NET PRICE, each.....



MULTIGRIP PLIERS NOS. 166 AND 166½

Originated by Herbrand to fit water pump pack nuts on all cars. These pliers serve such an extremely wide variety of uses that they are recognized as the most important tool in the mechanic's kit.

NO. 166 has 5 slip joint adjustments and range of jaw opening from ⅜" to 1⅞". Length 9½". Weight 8 ozs.

Chrome plated with polished heads.

NET PRICE, each.....

NO. 166½ is designed with 7 different positions of adjustments, providing jaw capacity from 0" to 2". Length 9¾". Weight 12 ozs.

Chrome plated, bright heads.

NET PRICE, each.....

MULTIGRIP PLIER SET NO. M-3

Contains one each of the three distinctive "Van-Chrome" Multigrips, Nos. 167, 168 and 166½. This handy kit will save hours of time and labor.

NET PRICE, complete.....



COMBINATION PLIER NO. 151½ With Slip Joint

Drop Forged from Carbon Steel and Heat Treated

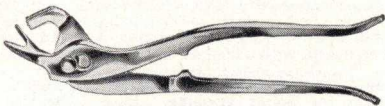
The accurately milled sharp teeth of this general utility plier take a biting hold, and the short rounded nose is ideal for close gripping. The slip feature gives it a wide variety of uses. Individually hardened.

NO. 151½, satin nickel finish. Length 6".

NET PRICE, each.....

Battery Service Tools

Original Herbrand Creations



Pat. No. 1678313

"VAN-CHROME" TERMINAL LIFTER AND SCRAPER NO. 177

Drop Forged from Chrome Vanadium Steel

Under the powerful leverage of this tool, badly frozen or corroded battery terminals snap up easily without marring, cracking or loosening the plates or injuring the tops of the cells. A special release joint dismembers the plier, providing one section with a serrated nose for cleaning terminals and the other with sharp jaws for scraping posts.

NO. 177, hand polished and chrome plated. Length 10½".

Weight 13½ ozs.

NET PRICE, each.....



"VAN-CHROME" BATTERY PLIER NO. 179

30° Angle Jaws—Hand-fit Handles

Drop Forged from Chrome Alloy Steel

This popular, improved battery plier is original Herbrand design. The gripping jaws are serrated to take positive holds of terminal nuts, even though badly corroded, mutilated or eaten away. The jaws are set at 30° angle for easy accessibility, regardless of position of battery. The nose is tapered both sides to clear filler caps. Handles are curved for hand-fit grip.

Range 5/32" to 1". Length 8". Weight 7 ozs.

NO. 179-S, Chrome plated, bright head.

NET PRICE, each.....



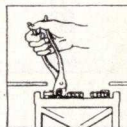
Lifting Battery Terminal



Dismembered for Cleaning



Scraping Terminal Post



BATTERY AND STARTER NUT WRENCH NO. 276

12-Point Openings—Panelled Handles

Drop Forged from Select Tool Steel

Here is a specially designed box type wrench with 12-point openings for either the removal or installation of the battery cable. One end has a 9/16" opening and fits battery terminal bolt nuts; the other end has a 5/8" opening and fits the copper nut on the starter switch, or starter motor connection. Chrome plated, buffed heads.

Length 6". Weight 2½ ozs.

NET PRICE, each.....



BATTERY SERVICE SET NO. B-3

The three tools in this kit are recognized by battery experts as the most essential and efficient for practically any type of battery service work. It carries the patented Battery Terminal Lifter and Scraper No. 177-S; the improved 30° angle No. 179-S Battery Plier with curved hand-fit grip; and No. 276 Battery and Starter Nut Wrench.

Tools are fully described above. Weight 1 lb. 10 ozs.
NET PRICE, complete in pocket leatherette roll....



"Van-Chrome" Chisels

Forged from Chrome Tungsten Tool Steel, Nickel Plated

The chief requisite of chisels is that they resist the severe demands made upon them and defy breakage. "Van-Chrome" Chisels are individually hammer forged from strong and tough Chrome Tungsten Alloy Steel made to Herbrand's special formula. Individually heat treated and tempered in perfectly timed electrically controlled furnaces. The cutting edge is beveled at the correct angle to remain sharp under extreme abuse. They are so finely tempered that they may be redressed with a file, yet stand up under the hardest usage.

Herbrand "Van-Chrome" Chisels are designed for perfect balance, and have octagon-shaped handles for better gripping. Each "Van-Chrome" Chisel is branded with the Herbrand mark of distinction, which is your guarantee of quality. Chrome plated and rust-proof. Polished blades.



FLAT CHISELS

Cat. No.	Size Stock	Width of Bit	Length	Net Price Each
400	5/16	5/16	5	
401	5/16	3/8	5	
402	3/8	1/2	6	
403	1/2	5/8	6	
404	5/8	3/4	7	
405	3/4	7/8	8	
405 1/2	3/4	7/8	16	
406	7/8	1	9	
407	7/8	1	18	



CAPE CHISELS

410	5/16	7/32	5	
411	3/8	5/16	6	
412	1/2	3/8	6	



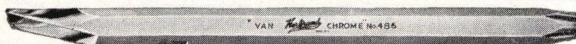
GOUGE CHISELS

420	5/16	7/32	5	
421	3/8	1/4	6	

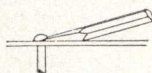


DIAMOND POINT CHISELS

430	5/16	5/64	5	\$
431	3/8	1/8	6	



"VAN-CHROME" RIVET SHEARING CHISELS



Designed to Shear Rivets Cleanly

Drop Forged from Chrome Vanadium Steel

Good rivet-shearing chisels are an important tool in every mechanic's equipment, because they save valuable parts by removing them quickly without damage.

The sharp nose on the cutting end of Herbrand Rivet-shearing Chisels is pitched at an angle that provides ample clearance for the hands, avoiding injury. The 10" and 14" lengths reach into the most confined quarters. Their keen cutting edges are ground to an angle that gets under the rivet heads, and the full force of the blow is exerted on the shear blades, cutting the rivets off cleanly and quickly.

Forged from a select 3/4" octagon Chrome Vanadium Steel for rigidity and utmost strength to withstand the severe pounding to which they are subjected.

NO. 486, 10" long.

NET PRICE, each.....\$2.78

NO. 487, 14" long.

NET PRICE, each.....\$3.19

"Van-Chrome" Punches

Forged from Chrome Alloy Steel, Nickel Plated

Constructed for strenuous driving, piercing and marking purposes, they will retain their points permanently. Herbrand "Van-Chrome" Punches are carefully forged from the toughest Chrome Alloy Steel and scientifically heat treated for the utmost possible endurance. Chrome plated with points polished to a high lustre.



PIN PUNCHES

Cat. No.	Size Stock	Diameter of Point	Length	Net Price Each
440	5/16	1/8	4 1/2	
441	5/16	5/32	4 1/2	
442	5/16	3/32	4 1/2	
443	5/16	5/32	6	
444	3/8	5/16	6 1/2	
445	3/8	7/32	6 7/8	
446	3/8	1/4	7	
447	1/2	5/16	7 1/2	



SOLID TAPER PUNCHES

450	5/16	1/16	4 1/2	
451	3/8	5/16	5	
452	1/2	1/4	6	
453	5/8	5/16	7	



LONG TAPER PUNCHES

460	3/8	1/8	8	
461	1/2	5/32	9	
462	5/8	1/4	11	



LONG ALIGNING PUNCHES

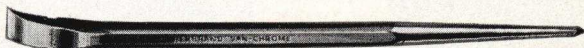
463	3/8	3/16	12	
464	1/2	7/32	14	
465	5/8	1/4	16	

SET NO. C-9, 1 each of above, in leatherette roll.....



CENTER PUNCHES

470	5/16	1/8	4 1/2	
471	3/8	7/32	5	

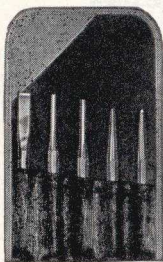


"VAN-CHROME" JIMMY BARS

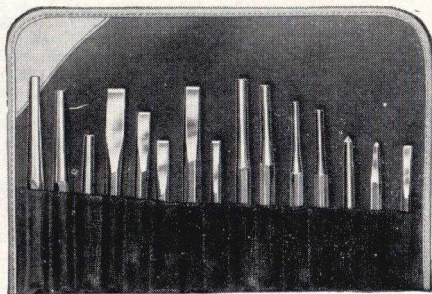
Forged from Chrome Alloy Steel, Nickel Plated

Invaluable for prying, alignment work and many other purposes. One end has a long, sharp-pointed taper; the other end has a sharp, curved leverage blade. Drop forged from special Chrome Alloy Steel and permanently finished in satin nickel with brightly polished points.

Cat. No.	Size Stock	Diameter of Point	Length	Net Price Each
480	1 1/2	1/8	12	
481	5/8	5/32	16	
482	3/4	1/4	20	



PUNCH SET NO. C-10



PUNCH AND CHISEL SET NO. C-15

"Van-Chrome" Punch and Chisel Sets

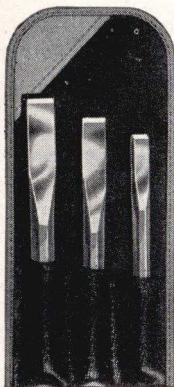
Carrying the Strongest Cutting and Piercing Tools

NO. C-10 Punch Set, Vest Pocket Size. An assortment of handy small Punches and Chisel, especially useful for electrical work. Comprises one each of assorted Punches, Nos. 440, 441, 450 and 470, and Chisel No. 400.

NET PRICE, in flannel-lined leatherette roll.

NO. C-15 Super Punch and Chisel Set. A well-balanced assortment of the fifteen most popular Punches and Cutting Tools which equip the mechanic for any job. Contains one each of Chisels Nos. 401, 402, 403, 410, 412, 421 and 431; assorted Punches Nos. 443, 444, 445, 446, 451, 452, 453 and 471.

NET PRICE, in flannel-lined leatherette roll.



NO. C-3 "Van-Chrome" Chisel Set. One each Nos. 402, 403 and 404.

NET PRICE, in leatherette roll.

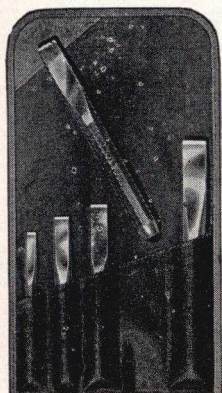
NO. C-5 "Van-Chrome" Chisel Set. One each Nos. 402, 403, 404, 405 and 406.

NET PRICE, in leatherette roll.

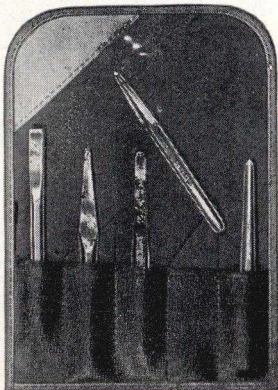
NO. C-6 "Van-Chrome" Assorted Chisel and Punch Set. One each of Chisels Nos. 401, 410, 420, 430, and No. 471 Center Punch.

NET PRICE, in leatherette roll.

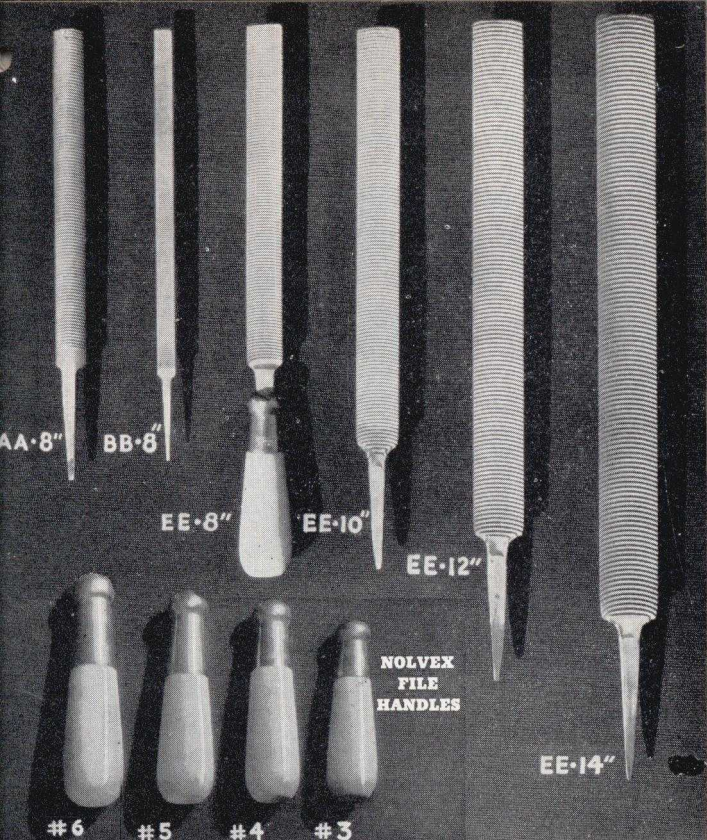
CHISEL SET NO. C-3



CHISEL SET NO. C-5



CHISEL SET NO. C-6



Nolvex—Super Duty Files

Milled, U-Type, "Shave Cut" Teeth

Self Cleaning—No Packing, Loading or Clogging

For production filing—steel, brass, bronze and aluminum castings, die castings, etc., also for die, tool and pattern work and many other uses where fast-cutting qualities are desired.

Startling developments in these New Super-Efficiency Files are based on the milling cutter principle. Each tooth is individually milled with a land, which increases the strength and cutting qualities, and a "U-shaped" groove which provides maximum clearance and produces curled metal shavings, eliminating all packing and loading so common with the conventional V-cut file.

They may be accurately described as a plane-ing tool for metal surfaces, functioning in a manner somewhat similar to the wood plane used for finishing wood surfaces used largely by the automobile industry for body and fender finishing; on large dies for forming body and fender sections; for tool and pattern work; and in the automotive service industry for repairing damaged bodies and fenders.

More recently they have become an important tool for the aircraft industry, where they are now used on many important operations.

New uses are continually developing where essential surface finishing on metals of both ferrous and non-ferrous types can be accomplished more quickly at lower filing cost.

Nolvex Files represent an investment in genuine efficiency and real economy never before available to mechanics. The keen, razor-like teeth speed up any metal planing work and they are more effective for filing soft metals like solder, lead or aluminum which clog or load ordinary files.

SUPER DUTY FILE BLADES

Length of Cut	Net Price Each			
	8"	10"	12"	14"
A.A. Half round, regular cut.....				
E.E. Flat, regular cut.....				
F.F. Flat, fine cut.....				
H.H. Utility, one side regular, other side smooth.....				

NOLVEX FILE HANDLES

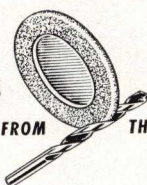
NO. 3—4½" long for 6", 8" and 10" file, net each.....	
NO. 4—4½" long for 12" and 14" files, net each.....	
NO. 5—5" long for 14" and 16" files, net each.....	
NO. 6—5½" long for 18" and 20", net each.....	

These handles are made from soft, dry Basswood which will absorb hand moisture. Shaped for comfortable and natural hand grip. Patented ferrule holds file securely yet permits easy removal of worn-out file.

Ace

**ACE
DRILLS**

GROUND FROM



THE SOLID

Drills



Straight Shank

High Speed Steel

Polished Flutes

Ace Drills and Reamers are hardened before fluting in the form of solid, round bars. Any decarburization is on the periphery only—entirely removed by centerless grinding.

The flutes are ground from the solid, correctly shaped and polished to a smooth, high finish—producing a free cutting drill.

Not only are the flutes smooth in appearance, but hard surfaces inside the cutting lips are assured. Clean, hard ground surfaces assist chip development, form keen cutting edges, and prolong drill life. Hardening prior to fluting has definite metallurgical advantages. The round bar is the perfect agent for heat treating and can be hardened at top temperature range for maximum cutting ability. Shape is not a limiting factor as it would be in the case of an already fluted drill.

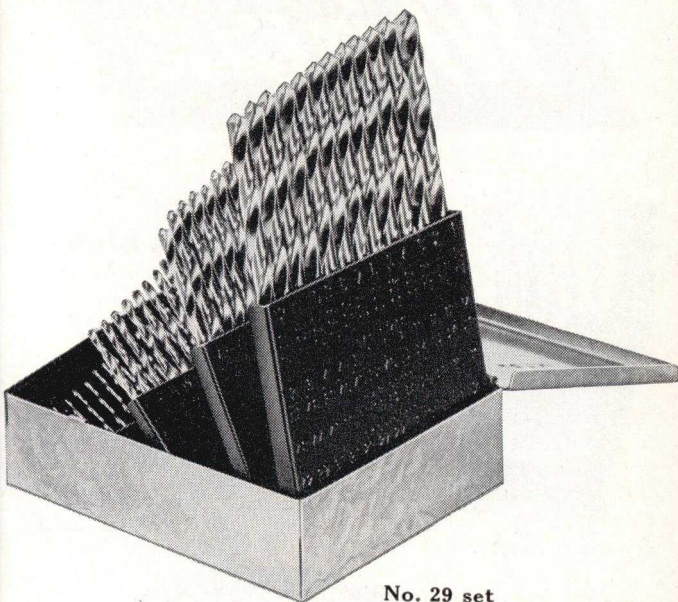
JOBBER DRILLS

Diameter Inches	Decimal Equivalent Inches	Overall Length Inches	Flute Length Inches	Dealers Net Price Each
$\frac{1}{16}$	.0625	$2\frac{1}{2}$	$1\frac{1}{4}$	
$\frac{5}{64}$	.0781	$2\frac{5}{8}$	$1\frac{3}{8}$	
$\frac{3}{32}$	.0937	$2\frac{3}{4}$	$1\frac{1}{2}$	
$\frac{7}{64}$	.1094	$2\frac{7}{8}$	$1\frac{11}{16}$	
$\frac{1}{8}$	.1250	3	$1\frac{13}{16}$	
$\frac{9}{64}$	.1406	$3\frac{1}{8}$	$1\frac{15}{16}$	
$\frac{5}{32}$	.1562	$3\frac{1}{4}$	$2\frac{3}{32}$	
$\frac{11}{64}$	.1718	$3\frac{3}{8}$	$2\frac{7}{32}$	
$\frac{3}{16}$	.1875	$3\frac{1}{2}$	$2\frac{5}{16}$	
$\frac{13}{64}$	.2031	$3\frac{5}{8}$	$2\frac{7}{16}$	
$\frac{7}{32}$	.2187	$3\frac{3}{4}$	$2\frac{17}{32}$	
$\frac{15}{64}$	.2344	$3\frac{7}{8}$	$2\frac{21}{32}$	
$\frac{1}{4}$	.2500	4	$2\frac{3}{4}$	
$\frac{17}{64}$	.2656	$4\frac{1}{8}$	$2\frac{7}{8}$	
$\frac{9}{32}$	.2812	$4\frac{1}{4}$	$2\frac{31}{32}$	
$\frac{19}{64}$	.2968	$4\frac{3}{8}$	$3\frac{3}{32}$	
$\frac{5}{16}$	.3125	$4\frac{1}{2}$	$3\frac{3}{16}$	
$\frac{21}{64}$	.3281	$4\frac{5}{8}$	$3\frac{5}{16}$	
$\frac{11}{32}$	.3437	$4\frac{3}{4}$	$3\frac{13}{32}$	
$\frac{23}{64}$	.3593	$4\frac{7}{8}$	$3\frac{17}{32}$	
$\frac{3}{8}$	.3750	5	$3\frac{5}{8}$	
$\frac{25}{64}$	.3906	$5\frac{1}{8}$	$3\frac{3}{4}$	
$\frac{13}{32}$	.4062	$5\frac{1}{4}$	$3\frac{27}{32}$	
$\frac{27}{64}$	.4218	$5\frac{3}{8}$	$3\frac{31}{32}$	
$\frac{7}{16}$	.4375	$5\frac{1}{2}$	$4\frac{1}{16}$	
$\frac{29}{64}$	.4531	$5\frac{5}{8}$	$4\frac{3}{16}$	
$\frac{15}{32}$	.4687	$5\frac{3}{4}$	$4\frac{9}{32}$	
$\frac{31}{64}$	.4843	$5\frac{7}{8}$	$4\frac{13}{32}$	
$\frac{1}{2}$	.5000	6	$4\frac{1}{2}$	

Ace Drills in Huot Cases

THE RIGHT SIZE DRILL

When and Where It's Needed



No. 29 set

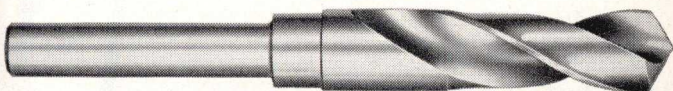
No hunting for the **right** size. It's always **right there** at your fingertips. A "must" for the "outside" man, the Huot Cases is equally desirable inside the shop for quick selection of drills.

Quarterpak . . . A handy set that fits the pocket. Sizes 1/16 to 1/4 inch by 64ths. Set of 13 high speed Ace drills.....

No. 29—Sizes 1/16 to 1/2 by 64ths. 29 Ace Drills.....

No. 21—Sizes 1/16 to 3/8 by 64ths, 21 Ace Drills.....

No. 15—Sizes 1/16 to 1/2 by 32nds, 15 Ace Drills.....



"ACE" LARGE DIAMETER DRILLS

With 1/2" Shanks

As an extra convenience to the mechanic the shanks of these large dia. drills have been turned down to 1/2" so they can be used in regular 1/2" portable electric drills. Available in the following sizes:

Size	Net Price, each	Size	Net Price, each
17/32"	25/32"	.....
9/16"	13/16"	.....
19/32"	27/32"	.....
5/8"	7/8"	.....
21/32"	29/32"	.....
11/16"	15/16"	.....
23/32"	31/32"	.....
3/4"	1"	.....

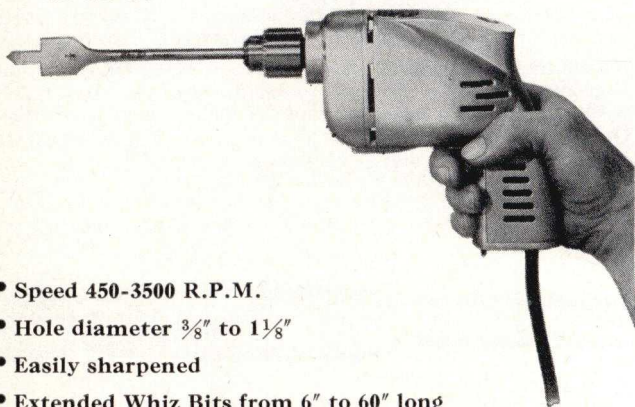
Herbrand

Whiz Bits



Set No. 600

**Here's the first high
speed wood bit
especially designed
for use with
power tools**



- Speed 450-3500 R.P.M.
- Hole diameter $\frac{3}{8}$ " to $1\frac{1}{8}$ "
- Easily sharpened
- Extended Whiz Bits from 6" to 60" long

Whiz Bits bore end grain, side grain, partial holes, through knots—and at any angle from 45° to 90° in either hard or soft woods. Masonite, Bakelite, fibre, plastics, plywood, composition board or mica are also easily bored.

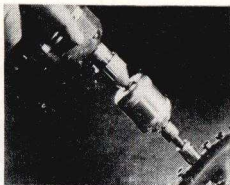
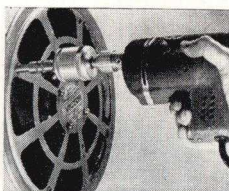
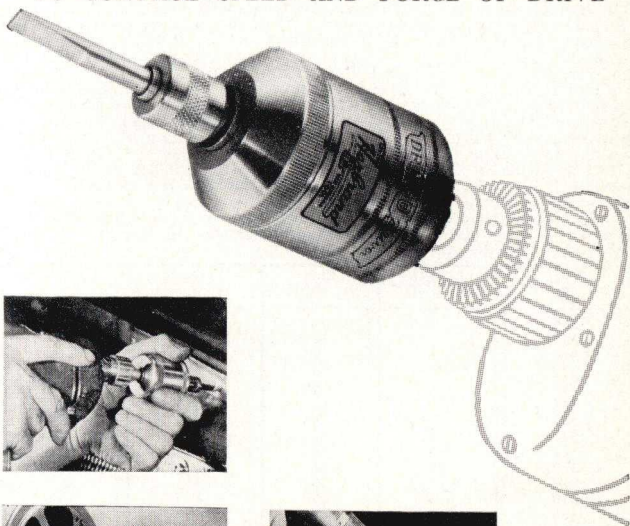
Whiz Bits are precision made, forged from tough molybdenum steel and can be sharpened with a flat file. Designed for use in drill presses, and portable pneumatic or electric drills having standard key-type $\frac{1}{4}$ " chucks.

Set No. 600 (illustrated) consists of 6 sizes: $\frac{3}{8}$ ", $\frac{1}{2}$ ", $\frac{5}{8}$ ", $\frac{3}{4}$ ", $\frac{7}{8}$ " and 1". Packed in compact aluminum index case.

MECHANICS NET.....

DRIL-O-DRIVER

A GREAT NEW ELECTRIC DRILL ATTACHMENT
TO CONTROL SPEED AND FORCE OF DRIVE



Here's a brand new tool that will save hours of time and energy at driving bolts, nuts and screws. Dril-O-Driver operates by automatic friction drive to give you any speed you want from zero to full capacity of drill—while drill runs at full speed—depending upon pressure you apply. You locate work faster, drive faster and more safely under **precise control** with Dril-O-Driver attachment. Drive automatically stops when bolt or screw is driven home, or when you ease pressure. It's the master power driver for the master draftsman.

- Fits any 1/4" electric or air drill
- Fastens into drill chuck like ordinary bit
- Operates by automatic friction drive
- Only engages when pressure is applied
- Operator controls speed and force of drive
- Slows down and stops when work is driven home
- Ideal for running oil pan bolts, head nuts, Phillips and machine screws, etc.
- Operates in either forward or reverse
- Handles nuts, bolts and wood, machine, cap, sheet-metal screws

DO-10 Kit includes: **DO-1** Drill-O-Driver; **DO-2** Slotted Screwdriver Bit; **DO-3** 1/4" Slotted Bit.



Protectogrip Screw Drivers

Insulated Handles

Blades Forged from Chrome Tungsten Tool Steel

The transparent amber handles are perfect insulators against electricity and will stand eight thousand volts or more. Just the right size to fit snugly into the palm, and the special deep fluted design prevents slipping even in greasy hands. These handles are individually machined from bars of Pyralin, which are carefully cured to provide indestructible qualities.

The blades are cross-forged from Chrome Tungsten Alloy Steel, and this special Herbrand forging process strengthens the blades and enhances the appearance. The tips are accurately ground to standard gauges, insuring a positive non-slip fit in screw slots. Only square stock is used on the blades, which permits using a wrench for extra leverage.

The shanks of the blades extend far into the handles to prevent any possibility of turning. The blades are heat treated to give maximum service and resiliency.

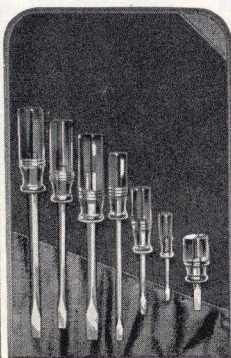
Protectogrip are the toughest, strongest screw drivers ever offered the automotive trade, and they will stand surprising abuse and wear. Blades are chrome plated with polished points.

Cat. No.	Length of Blade	Size Sq. Stock	Overall Length	Net Price Each
310	2	1/8	4 3/16	
311	3	1/8	4 3/16	
*311A	6	1/8	7 1/2	
312	3	5/16	6 1/4	
313	6	5/16	9 3/4	
314	9	5/16	12 3/4	
315	1 1/4	1/4	3 1/2	
315A	4	1/4	8	
316	6	1/4	10	
317	10	1/4	14	
318	1 1/4	5/16	3 1/2	
319	7	5/16	11	
320	12	5/16	16 1/4	
321	6	3/8	10 3/4	
322	12	3/8	18 1/2	
323	16	3/8	22 1/2	

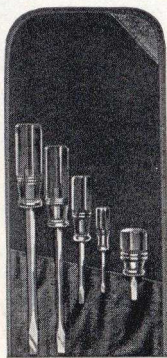
*Special for electrical and carburetor work.



SET NO. SD-5



SET NO. SD-7



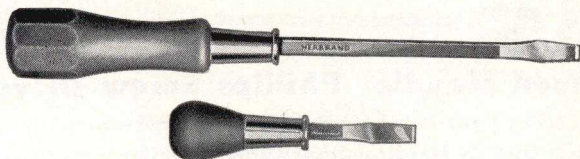
SET NO. SD-6

Protectogrip Screw Driver Sets

SET NO. SD-5, for electrical, ignition and radio service, carries five slim, narrow shank drivers, Nos. 310, 311, 312, 313, 314.
NET PRICE, in pocket leatherette case.....

SET NO. SD-6, carries a well balanced assortment of five Protectogrip Screw Drivers in daily demand. Contains Nos. 310, 312, 315, 316 and 319.
NET PRICE, in pocket leatherette roll.....

SET NO. SD-7, a general service assortment containing a wide range of seven genuine Protectogrip Screw Drivers that fill an all-purpose need. Includes Nos. 310, 312, 313, 315, 316, 319 and 321.
NET PRICE, in pocket leatherette roll.



Wood Handled Screw Drivers

Smoothly Turned Handles

Blades Forged from Chrome Tungsten Tool Steel

The long, slender taper blades have accurately ground points for the perfect gripping of screw slots. The handles are turned from clear, selected birch with white shellac finish. These screw drivers are the best balanced and strongest wood handled screw drivers on the market. The blades are cross-forged from Chrome Tungsten Alloy Tool Steel, and are heat treated to provide utmost strength and resiliency. The square stock of Chrome Tungsten Tool Steel is firmly imbedded in the handle and securely bound in with a heavy steel ferrule to prevent working loose.

These sturdy drivers are practically unbreakable and will stand up under the most severe wear and usage. The Herbrand distinctive process of cross-forging contributes to their extra strength and general appearance. The blades are chrome plated and the points are brightly polished.

Cat. No.	Length of Blade	Size Sq. Stock	Overall Length	Net Price Each
330	3	$\frac{3}{16}$	$7\frac{1}{4}$	
331	6	$\frac{3}{16}$	$10\frac{1}{4}$	
332	9	$\frac{3}{16}$	$13\frac{1}{4}$	
333	$11\frac{1}{4}$	$\frac{1}{4}$	$3\frac{3}{4}$	
334	6	$\frac{1}{4}$	$11\frac{1}{4}$	
335	10	$\frac{1}{4}$	$15\frac{1}{4}$	
336	7	$\frac{5}{16}$	$12\frac{1}{2}$	
337	12	$\frac{5}{16}$	$17\frac{1}{2}$	
338	6	$\frac{3}{8}$	$12\frac{1}{4}$	
339	12	$\frac{3}{8}$	$18\frac{1}{4}$	
340	16	$\frac{3}{8}$	$22\frac{1}{4}$	

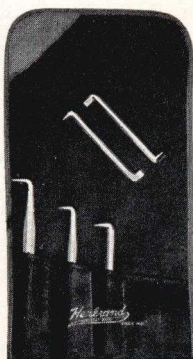


Offset Screw Drivers

Forged from Chrome Tungsten Steel

The bits of the "Van-Chrome" double-end Offset Drivers are set at right angle to each other, with the exception of No. 352, which has the blades forged at a 45° angle instead of 90°, and is an ideal companion for No. 351. These screw drivers come in a range of four popular sizes and are sold individually or in a complete set.

Forged from Chrome Tungsten Tool Steel with square handles, heat treated throughout, and finished in chrome plate with brightly buffed blades.

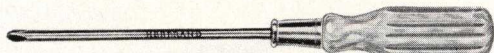
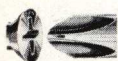


SET NO. 350

Cat. No.	Size Stock	Length	Net Price Each
351	$\frac{1}{4}$	$4\frac{1}{4}$	
352-45°	$\frac{1}{4}$	$4\frac{1}{4}$	
353	$\frac{5}{16}$	$5\frac{1}{2}$	
354	$\frac{3}{8}$	$6\frac{1}{2}$	
355	$\frac{1}{2}$	$7\frac{1}{2}$	

SET NO. 350 comprises one each of the above four sizes, in attractive leatherette, flannel-lined tool roll. Weight 1 lb.

NET PRICE, complete.....



Wood Handle—Phillips Screw Drivers

For Four-point Recessed Heads—Self-centering

High Quality Hardwood Varnished Handles with Polished Chrome Alloy Steel Blades and Nickel-plated Ferrules

These Drivers cannot slip, break off screw heads or cause damage to rich upholstery fabrics, fine beaded mouldings and highly finished accessories.

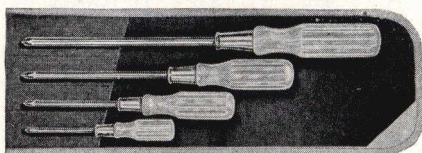
Specially designed for faster driving and better holding power, and to accurately fit the tapered four-point recesses in the heads of Phillips screws and bolts.

The bits center automatically in the screw heads. They will not slip, break screw heads or cause damage to upholstery fabrics or mouldings. An absolute necessity, because these new screws are on all popular cars.

High quality hardwood handles and Chrome Alloy Steel blades.

Available in four individual sizes or in complete sets.

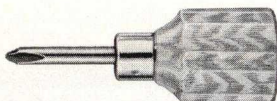
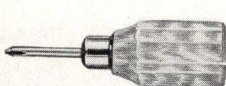
Cat. No.	Fits Phillips Screws	Length of Blade	Overall Length	Dealer Net Price
361	No. 4 and smaller	3	6¼	
362	Nos. 5 to 9, incl.	4	8½	
363	Nos. 10 to 16, incl.	6	11	
364	No. 18 and larger	8	14½	



SET NO. 360, one each of the above drivers.

DEALER NET PRICE, in cardboard box.....

DEALER NET PRICE, in leatherette case.....



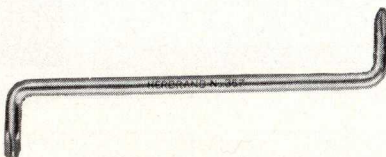
Phillips Screw Drivers

Stubby Type—4-point Bits for Recessed Screws

This stubby type Phillips Screw Driver is very practical for inaccessible places, windshield moulding screws on G.M.C. and other cars, or wherever Phillips screws are used. High quality varnished wood handles with polished alloy blades. No. 358 fits Phillips Screws No. 4 and smaller; No. 359 fits Nos. 5 to 9.

NO. 358. Length blade 1", overall 3". NET PRICE, each.....

NO. 359. Length blade 1½", overall 3½". NET PRICE, each...

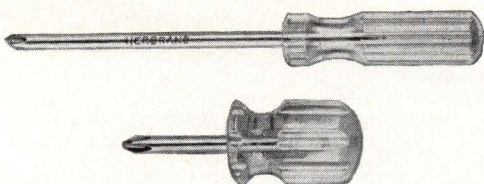


OFFSET PHILLIPS SCREW DRIVER DOUBLE END NO. 357

This offset L Driver combines the No. 2 and No. 3 points in one tool fitting all the popular Phillips screw sizes from No. 5 to No. 16 inclusive. Has 1" offset on each end to reach around corners and confined places where straight blade screw drivers can't operate.

Chrome plated. Length 6¼". Weight 1½ ozs.

NET PRICE, each.....



"Van-Chrome" Phillips Screw Drivers

Pyraloid Breakproof Handles

Chrome Alloy Steel Blades

The ever-increasing use of Phillips screws in almost every industry has created an enlarging market and a definite need for these Better Quality Phillips Screw Drivers with Shockproof and Breakproof Pyraloid Handles. The well-known 4-point bits are accurately sized and tapered to fit the recesses in the heads of Phillips screws and bolts. The blades are made from select Alloy Steel, hardened and tempered for long life and endurance. Blades are polished and firmly anchored so they cannot twist in the fluted, amber pyraloid handles. Available in a full range of sizes including the two popular stubby types.

Catalog No.	Fits Phillips Screws	Length of Blade	Overall Length	Net Price Each
358P	No. 4 and smaller	1	3	
359P	No. 5 to 9, incl.	1½	3½	
361P	No. 4 and smaller	3	5¾	
362P	No. 5 to 9, incl.	4	7½	
363P	No. 10 to 16, incl.	6	10	
364P	No. 18 and larger	8	12¾	

SET NO. 360P, 1 each of the six drivers listed above.

NET PRICE, in fibre box.....

NET PRICE, in leatherette case.....

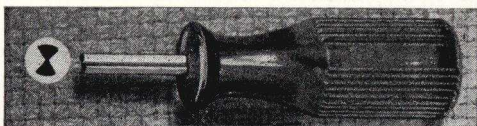


PHILLIPS HEX SHANK SCREW DRIVER NO. 369P

Used with Wrench for Greater Leverage

Frequently extra leverage is necessary to drive or remove Phillips screws on inside door hinges and other places where an extremely tight fit is required. This Special Hand Driver has a ¼" hex shaft of Chrome Alloy Steel extending 3" out of the handle, allowing the use of a wrench for added leverage. Has a No. 4 point fitting Phillips screws No. 18 and larger. Length of blade 6" Overall length 11". Fluted, pyraloid, breakproof handle. Weight 9 ozs.

NET PRICE, each.....

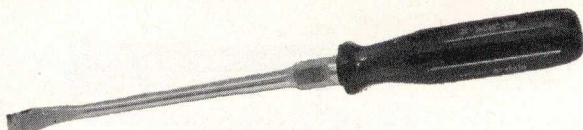


BUTTERFLY SCREW DRIVER NO. 258

Paraloid Handle—Chrome Alloy Steel Blade

Made with a special shaped blade to fit the figure 8 or Butterfly type screws found on many of the late model cars.

NO. 258, length of blade, ⅝". NET PRICE, each.....



"VAN-CHROME" SCREWDRIVERS

The very finest money can buy

Built for heavy duty use, special analysis alloy steel, precision processed and heat treated in automatically controlled furnaces for diamond-hard tips and tough resilient shanks. Genuine Tenite II plastic handles; with the Herbrand exclusive palm-fit grips. All are fire-safe and extraordinarily tough.

HEX BOLSTER, SLOT TYPE

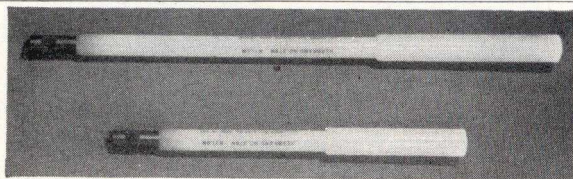
Catalogue No.	Bit Width	Blade Length	Bolster Across Flats	O.A. Length	Dealer Net Price
291	$\frac{1}{4}$ "	4"	$\frac{5}{16}$ "	$8\frac{7}{8}$ "	
292	$\frac{5}{16}$ "	5"	$\frac{5}{16}$ "	$9\frac{5}{8}$ "	
293	$\frac{3}{8}$ "	6"	$\frac{11}{32}$ "	$11\frac{13}{16}$ "	
294	$\frac{3}{8}$ "	8"	$\frac{11}{32}$ "	$13\frac{5}{8}$ "	
295	$\frac{7}{16}$ "	10"	$\frac{11}{32}$ "	$15\frac{3}{4}$ "	
290 Set,	1 each of above 5 sizes in box				



CLUTCH HEAD TYPE

This is the new, improved driver which friction-locks into the screw head when turning out.

Catalogue No.	Clutch Size	Blade Dia.	Blade Length	O.A. Length	Dealer Net Price
393	$\frac{5}{32}$ "	$\frac{1}{4}$ "	4"	$7\frac{3}{4}$ "	
395	$\frac{1}{4}$ "	$\frac{5}{16}$ "	6"	$10\frac{3}{8}$ "	
397	$\frac{5}{16}$ "	$\frac{3}{8}$ "	6"	$10\frac{7}{8}$ "	
390 Set	1 each of above 3 sizes in box.				



New Efficient SCREW STARTER with shockproof NYLON handle

Nylon is the perfect tough yet flexible insulator against electric shock, making this new tool indispensable to mechanics for hard-to-get-at screws on generator, starter, ignition, radio or electrical work, and any other screw starting jobs.

Sharp, milled teeth of locking blade under powerful spring tension make it the best holding starter on the market . . . holds up to 15 lbs. pull on screw. It's the easiest to cock and lock . . . and when screw is seated or sufficient torque is developed in turning, it automatically releases by recocking.

Available in two lengths—6" and 9". Designed for working ease, greater efficiency in operation, and greater durability for long, economical service.

NO. 376N, 6".

MECHANICS' NET PRICE.....

NO. 379N, 9".

MECHANICS' NET PRICE.....



SET NO. 770

"Van-Chrome" Gasket Cutting Punches

For Cutting Gaskets, Shims, Templates, etc.

Drop Forged from Chrome Vanadium Steel

When gaskets, shims or templates must be cut on the job, the newly designed Herbrand Gasket Punches will be found invaluable and economical from a time-saving standpoint. They cut perfectly and equally well on sheet packing, rubber, lead, brass, copper, leather and other materials. Mechanics and engineers in garages, oil refineries, power stations, steamships and industrial plants cannot afford to be without them, especially when an emergency requires the immediate replacement of gaskets. A special heat treating and tempering process gives them extra toughness and a clean cutting quality that delivers a perfect job.

Punch Number	Cutting Size Diam.	Length	Net Price Each
771	$\frac{1}{4}$	$2\frac{7}{8}$	
772	$\frac{5}{16}$	$2\frac{7}{8}$	
773	$\frac{3}{8}$	$2\frac{7}{8}$	
774	$\frac{7}{16}$	$2\frac{7}{8}$	
775	$\frac{1}{2}$	$2\frac{7}{8}$	
776	$\frac{9}{16}$	$2\frac{7}{8}$	
777	$\frac{5}{8}$	$2\frac{7}{8}$	

SET No. 770, comprising one each of the seven above Cutting Punches.

NET PRICE, in fibre box.....

NET PRICE, in leatherette case.....



Metal Cutting Snips

For Straight, Circular and Irregular Shapes

Drop Forged, Heat Treated and Adjusted

For cutting intricate patterns or curves, cleanly and smoothly, without bending the metal, these special "duck-bill" snips have no equal. The thin cutting edges of the blades, with well-balanced, strong leverage handles, produce a cutting quality that cleanly cuts body, sheet metal or other heavy materials with ease.

Available in two popular sizes for automotive application. The 7" is particularly adapted to cutting shims and gaskets; the 12" cuts larger areas and heavier metals.

NO. TS-7, length 7". Cut $1\frac{3}{4}$ ". Weight 7 ozs. NET PRICE, each

NO. TS-12, length 12". Cut 3". Weight $1\frac{1}{2}$ lbs. NET PRICE, each

"Van-Chrome" Timing Gear Attachment No. 861

For Use with the No. 866 All-Purpose Puller or the No. 851 Heavy Duty Puller

For Timing Gears, Fan Pulleys, Balancers, Cam Gears, etc.

Chrome Vanadium Steel

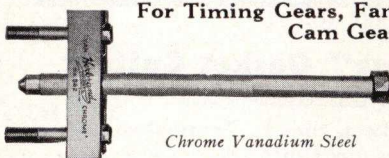


An important attachment for the Heavy Duty Puller essential for pulling timing gears, cam gears, fan pulleys, balancers, Hudson-Essex main bearings and many other jobs. Pulls Chevrolet fan pulleys with harmonic balancers, Buick crankshaft gears and all others which are tapped for cap screws.

NO. 861. NET PRICE, each.....

Timing Gear Puller No. 862

For Timing Gears, Fan Pulleys, Balancers, Cam Gears, etc.



Chrome Vanadium Steel

A complete moderately priced puller for handling a wide variety of difficult jobs. Essential for pulling timing gears, cam gears, fan pulleys, balancers, Hudson-Essex main bearings and

many other jobs. Pulls Chevrolet fan-pulleys with harmonic balancers, Buick crank-shaft gears and all others which are tapped for tap screws. Untapped gears may be tapped to the proper size and removed easily with this tool.

The slotted Chrome Vanadium block is equipped with two $\frac{3}{8}$ " U.S.S. heat treated cap screws, which may be removed and replaced with other sizes if necessary. Double plated in satin. No. 861 is the above puller, less forcing screws, for use as an attachment with the heavy duty No. 850 puller.

NO. 861S, forcing screw only. Length $11\frac{1}{2}$ ".

NET PRICE, each.....

NO. 862 is the above puller complete with No. 861S forcing screw.

NET PRICE, each.....

"Van-Chrome" Stud Setter and Extractor No. 820

Ratchet Action—Revolving Head
Capacity $\frac{1}{4}$ " to $\frac{3}{4}$ "

Chrome Alloy Steel—Nickel Plated



New—modern—improved and scientifically engineered to take a positive, biting grip on studs and remove them with little effort, without the hazard of slipping. This compact tool handles all studs from $\frac{1}{4}$ " to $\frac{3}{4}$ ", covering a range of service including all passenger cars and practically all trucks. Improved engineering and the use of super-quality steel eliminate bulk and clumsiness, permitting it to engage and remove studs which are inaccessible to other tools. Close to the dash rear studs are easy. It operates on the

gear principle for gripping. The self-adjusting, eccentric roller forms a wedging action against the stud, develops tremendous power, cannot slip, will not lock on the job and releases quickly when pressure is removed. Built to avoid the danger of snapping off or mutilating studs.

The driving stud on top of the tool carries a $\frac{1}{2}$ " square drive service connection for use with any ratchet handle, flex handle or standard socket handle.

NO. 820, height $2\frac{9}{16}$ ", diameter 2". Chrome plated.

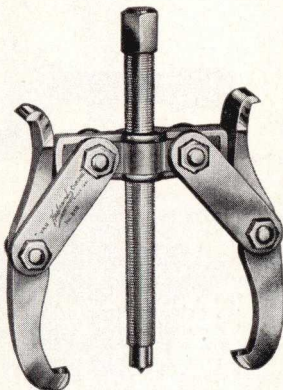
NET PRICE, each.....

"Van-Chrome" Improved Gear Pullers

Non-Slippping Automatic Grips

*Drop Forged from
Chrome Vanadium Steel*

A Gear Puller with automatic, non-slip grip has long been sought by mechanics. The patented, positive gripping jaws absolutely prevent slipping, because the harder the pull the tighter the grip. Strong, thin jaws permit working in close quarters and no adjustments or extra equipment are required to hold them firmly in place. Light in weight, yet the strongest gear pullers made. The double-end jaws have wide, thin hooks on one end and narrow, thick hooks on the other, adapting them to a much wider range of work without the necessity of buying extra jaws. They will handle all small and large gears, pinions, ball races and the like. Every part is drop forged from select Chrome Vanadium Steel and carefully heat treated to a definite standard of strength to insure the utmost endurance under the terrific strains to which gear pullers are subjected. Available in two sizes required to cover all types of work. Finished in triple chrome plate with ends brightly polished.



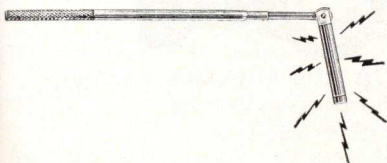
NO. 830, length of jaws under cross arm $3\frac{1}{2}$ ". Spread of jaws 6" Size of screw $\frac{1}{2}$ " by 6" with hexagon head. Weight 1 lb. 10 ozs.

NET PRICE, each.....

NO. 831, length of jaws under cross arm $5\frac{1}{2}$ ". Spread of jaws 8". Size of screw $\frac{5}{8}$ " by 9" with hexagon head. The reversible arms have slotted hooks on one end. Weight 3 lbs. 12 ozs.

NET PRICE, each.....

MAGNETIC PICK UP



Permanent Magnetic heads—amazing strength—adjustable angle. Will retrieve tools dropped in inaccessible spots. Will remove particles from corners in oil or water. Ideal time and trouble saver.

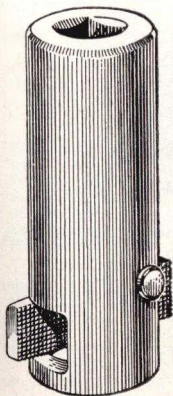
NO. 380-9, length 9", weight 1 lb. 8 oz. for 12.

DEALER NET

NO. 380-27, telescopes from $16\frac{3}{8}$ " to 27" length.

DEALER NET

No. 821 $\frac{1}{2}$ " Drive Stud Puller



The 821 is a compact tool and does a neat job in more ways than one. It is only $1\frac{1}{8}$ " in diameter yet will handle all sizes of automobile studs. The single wedge is made of the toughest alloy steel and fits into a square hole in the puller—no twist or slip is possible.

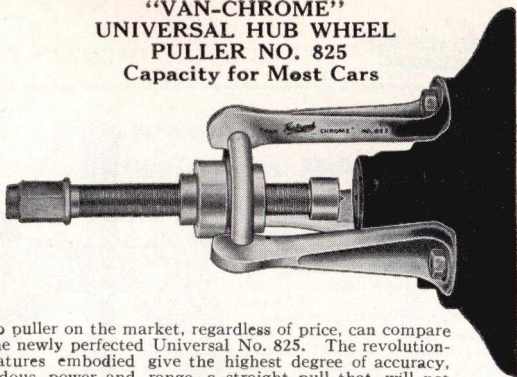
Grips firmly close to the work. Designed to work easily on close-together studs, such as on the new Ford. The $\frac{1}{2}$ " drive is adaptable to both power and hand tool use. A spring tension pin holds the wedge in the body of the puller when not in use.

The 821 Stud Puller is made of triple alloy steel and strengthened by exacting heat treatment. Beautifully finished in chrome. Wedge is of toughest alloy steel and is precision made to fit perfectly into square hole in puller. Gripping face is double broadened. Herbrand designed with an unqualified Herbrand guarantee to serve you better and longer.

MECHANICS NET.....

Prices subject to change without notice.

**"VAN-CHROME"
UNIVERSAL HUB WHEEL
PULLER NO. 825
Capacity for Most Cars**

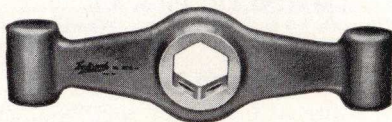


No hub puller on the market, regardless of price, can compare with the newly perfected Universal No. 825. The revolutionary features embodied give the highest degree of accuracy, tremendous power and range, a straight pull that will not bend or distort wheel lugs, a sliding bearing in which the driving screw rides, and a floating cap on the screw end. The sturdy alloy steel screw works in a sliding bearing, so that when it is necessary to bump the end of the screw it positively cannot injure the threads, as is often the case where the screw works in the solid hub of other type pullers. The fine threading of the screw gives it a powerful thrust and will stand tremendous punishment, because it is scientifically heat treated to exacting specifications. Another unique feature, not found on other pullers, is the floating cap on the screw end which centers on the axle and avoids injury to either axle or screw. These distinctive Herbrand features improve the tool so remarkably that it is immediately obvious to the mechanic that no injury can be transmitted to any of the inner parts of the wheel, axle or differential.

The simplest puller made yet covering the widest range of service without the use of any trick attachments. Complete in itself—requires no taking apart—nothing to assemble—and combines the best features of both puller and knock-off. The sliding arms are readily adjustable and quickly adapted to any hub, regardless of the number of wheel studs used and where the bolt circle does not exceed 7½". Thoroughly tested in laboratory and on all makes of cars, it exerts a direct and tremendous pull without resorting to pounding or hammering. Only Herbrand provides the Universal Hub Puller with sliding bearing and floating cap.

The toughest, most stubborn hub responds quickly to the persuasive power of the Universal Hub Puller.

NO. 825, 7½" expansion. Weight 9 lbs. 10 ozs.
NET PRICE, each.....



**DRIVE HANDLE FOR HUB PULLERS NO. 825H
Notched for Lock-on Feature**

Drop Forged and Heat Treated

This handle will fit the No. 825 or any wheel puller which has a 1⅛" hex driving head. Designed with heavy striking faces.

NO. 825H, chrome plated. Length 8". Weight 2 lbs.
NET PRICE, each.....

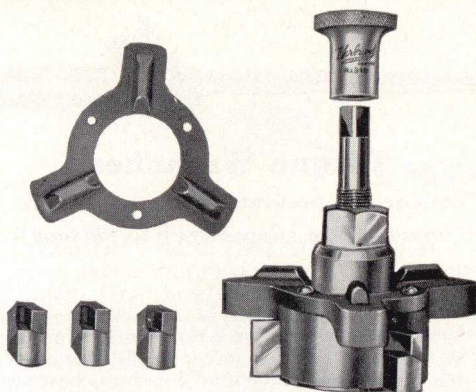
NO. 825-5, Extra Drop Forged Alloy Steel Puller Arms for No. 825 Puller. Chrome plated.
NET PRICE, each.....



**"VAN-CHROME" WHEEL PULLER ADAPTOR NO. 825-A
For Late Models Ford V-8**

This special drop forged Adaptor will work with any stud type wheel puller for service on 1936 and later Ford V-8 hubs. Simply space two pulling arms on any stud wheel puller to engage the bolts of the Adaptor; slide the entire assembly into the groove in the hub, and turn up the forcing screw of the wheel puller. This applies a straight, steady pull, eliminating danger to the operator and damage to parts.

No. 825-A Adaptor converts any stud type wheel puller for service on 1936 and later Ford V-8 hubs.
NET PRICE, each.....



UNIVERSAL CYLINDER WALL RIDGE REAMER

Expanding Cutters—Range $2\frac{1}{16}$ " to $4\frac{7}{8}$ "

Latest Improved Design

At last—a ridge reamer with a capacity for all passenger cars and many trucks. Removes the ridge or worn part at the top of cylinder walls on any bore up to $4\frac{7}{8}$ ". The three expanding high-speed cutters have guides at the bottom which prevent removing too much metal. The guides follow the contour of the cylinder wall and automatically stop cutting as soon as the ridge is entirely removed. The triple action of the three cutters rotating simultaneously removes the ridge in one-third the time required by the conventional type.

No. 846 Ridge Reamer is available with two sizes of interchangeable head rest plates and two sizes of adjustable cutters. No. 846-LP large rest plate and No. 846-LC long cutters for cylinders from $3\frac{3}{4}$ " to $4\frac{7}{8}$ "; No. 846-SP small rest plate and No. 846-SC short cutters for cylinders from $2\frac{1}{16}$ " to $3\frac{7}{8}$ ".

On cars with recessed heads or where studs are set close to the bore the reamer is set on top of the piston and used without the rest plate.

SET NO. 846, complete as illustrated, with two sets of cutters and two sizes of rest plates; capacity $2\frac{1}{16}$ " to $4\frac{7}{8}$ ".

NET PRICE, complete.....

NO. 846-S Ridge Reamer with small rest plate and short cutters; range $2\frac{1}{16}$ " to $3\frac{7}{8}$ ".

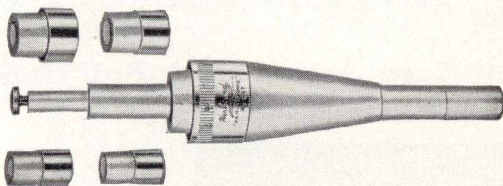
NET PRICE, each.....

NO. 846-L Ridge Reamer with long cutters and large rest plate; range $3\frac{3}{4}$ " to $4\frac{7}{8}$ ".

NET PRICE, each.....

Extra sets of large or small cutters for the above.

NET PRICE, each.....



"VAN-CHROME" CLUTCH ALIGNING TOOL NO. 847

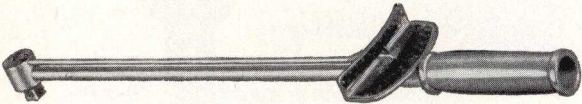
Chrome Molybdenum Steel

When replacing clutch and transmission on the majority of cars this tool will be found almost indispensable. Disc clutches must be centralized with the flywheel so that the clutch shaft will enter the pilot bearing. This double-end tool gives double service, because it works on both large and small pilot bearings and no extra parts are necessary. Constructed from tough Chrome Molybdenum Steel, expertly hardened and tempered for long service. Smoothly ground, accurately sized and finished all over in satin nickel. The knurling on the tapered cone makes it slip-proof.

After placing clutch in position on the flywheel push the spindle of the tool through the clutch with the tapered end entering the pilot bearing. Hold in horizontal position and slide the tapered cone forward until it enters the clutch. Withdraw the tool and the clutch shaft and transmission will slide readily into place. Four sizes of detachable collars are supplied as part of the tool, which fit all pilot bearings.

Length 12". Weight 2 lbs. 8 ozs. Chrome plated.

NET PRICE, each.....



Torque Wrenches

Permanently Accurate

2 Dials

1/2" Square Drive Capacity: 0 to 150 foot lbs.

To insure the peak performance built into motors by the manufacturers, all threaded parts should be uniformly tightened with a Torque Wrench. Best results in reconditioning work are obtained when a Herbrand Torque Wrench is used for the correct tightening of nuts and bolts on motor heads, manifolds, brake drums, clutch assemblies, differential housings, bearings, drive shaft pinions, connecting rods, axle nuts, body bolts, spark plugs, etc.

No moving parts or fragile mechanisms are used in the measuring element. The head is hydraulically fitted at a specified pressure to the beam; likewise, the handle and yoke assembly. The strong double dial plate is electrically welded to the yoke; the heavy spring steel pointer is also electrically welded in the head. These features mean long life and permanent built-in accuracy. Two dials permit reading of applied torque from any working angle. The chrome plated numbers on a black background are a big aid in reading in dark or close places. Dials are calibrated in five foot pound steps for right and left torques.

The small head and compact overall size make the S-55 the ideal Torque Wrench when working in hard-to-reach places. Light weight and perfect balance aid the operator.

The Herbrand Torque Wrench is made of high grade alloy steels and is heat treated and plated.

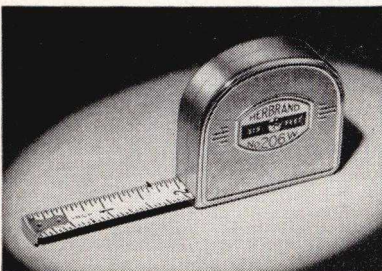
A torque chart giving the passenger car and truck manufacturers recommended torque values for cylinder heads, connecting rods, main bearings, etc., is packed with each Wrench. Weight 2 lbs. Individually boxed.

NO. S-60. Length 19 1/2", 0-100 ft. lbs. Dealer Net Ea.

No. S-65. The new S-65 has tapered beam construction, permanently accurate for precision tightening. Capacity 0-150 ft. lbs. Length 19 1/2". Dealer Net.....

New Easy Action Push-Pull Rules

6' 8' and 10'



It's a pleasure to use this new, easy action Herbrand Push-Pull Rule. Zip Blade out quickly—it *stays* at desired length. Then slip it back easily into case. Balanced action assures smooth, effortless operation. Blade will not snap unexpectedly out of position ... no flaying, cutting whip action.

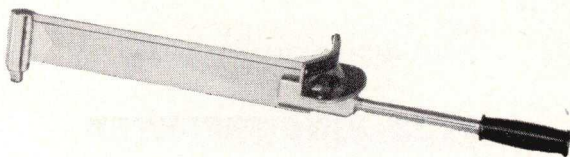
Strong steel blade of concave design remains stiff even at full 6 foot extended length ... will not collapse or bend. Large vertical numbers on white enamel

for easy reading at any position. Lightweight metal case with long-lasting chrome finish. Case is exactly 2" for use in measuring inside dimensions.

Not just another rule ... a real precision tool of the highest Herbrand quality for dependability and durability.

No. 206W, 6 ft. blade, Net.....
No. 208W, 8 ft. blade, Net.....
No. 210W, 10 ft. blade, Net.....

206WB, 6 ft. blade, Net.....
208WB, 8 ft. blade, Net.....
210WB, 10 ft. blade, Net.....

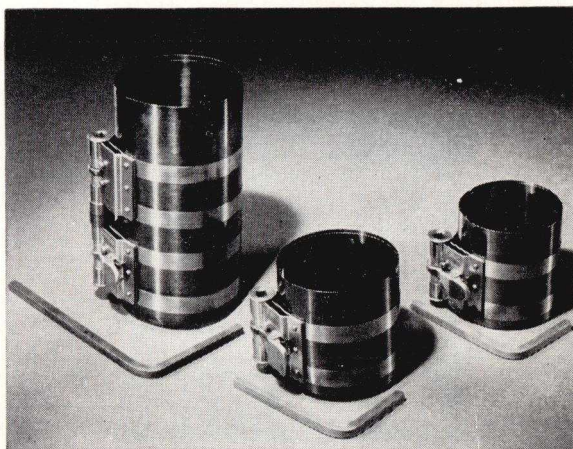


TORQUE WRENCHES: FLAT BEAM

The most consistently accurate Torque Wrench made. New flat beam design is custom ground to a predetermined deflection under dead weight loading. Deflection is distributed evenly along entire length. No complicated mechanisms, or friction parts, to get out of adjustment or working order.

Every wrench individually tested on a torque tester after complete assembly. Light weight, rugged construction and perfect balance. Easy to read, etched dials and bright chrome plate.

Cat. No.	Foot Pounds	Grad. Steps	Square Drive	No. of Dials	Length in ins.	Wt. lbs.	Dealer Net Price
FJ-25	0- 25	1 ft.-lb.	$\frac{3}{8}$ "	2	15 $\frac{1}{4}$	2 $\frac{1}{4}$	
FS-50	0- 50	2 $\frac{1}{2}$ ft.-lb.	$\frac{1}{2}$ "	2	15 $\frac{1}{4}$	2 $\frac{1}{2}$	
FS-100	0-100	5 ft.-lb.	$\frac{1}{2}$ "	2	17 $\frac{1}{2}$	2 $\frac{3}{4}$	
FS-150	0-150	5 ft.-lb.	$\frac{1}{2}$ "	2	26 $\frac{1}{2}$	5 $\frac{1}{4}$	
FS-200	0-200	5 ft.-lb.	$\frac{1}{2}$ "	2	26 $\frac{1}{2}$	5 $\frac{1}{2}$	
FH-300	0-300	10 ft.-lb.	$\frac{3}{4}$ "	2	34 $\frac{3}{4}$	10 $\frac{1}{2}$	
	Inch Pounds						
FJ-300-1	0- 300	12 $\frac{1}{2}$ in.-lb.	$\frac{3}{8}$ "	2	15 $\frac{1}{4}$	2 $\frac{1}{4}$	
FS-600-1	0- 600	25 in.-lb.	$\frac{1}{2}$ "	2	15 $\frac{1}{4}$	2 $\frac{1}{2}$	
FS-1200-1	0-1200	50 in.-lb.	$\frac{1}{2}$ "	2	17 $\frac{1}{2}$	2 $\frac{3}{4}$	
FS-1800-1	0-1800	50 in.-lb.	$\frac{1}{2}$ "	2	26 $\frac{1}{2}$	5 $\frac{1}{4}$	
FS-2400-1	0-2400	50 in.-lb.	$\frac{1}{2}$ "	2	26 $\frac{1}{2}$	5 $\frac{1}{2}$	
FH-3600-1	0-3600	100 in.-lb.	$\frac{3}{4}$ "	2	34 $\frac{3}{4}$	10 $\frac{1}{2}$	



RING COMPRESSORS, RATCHET TYPE

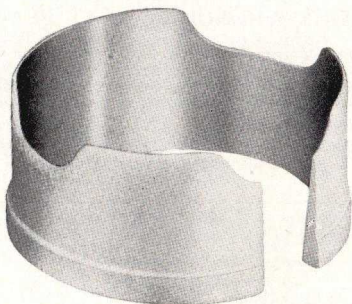
The finest ratchet, wind-up type ring compressors made. Positive non-slip action. Outer tension bands maintain equalized pressure. Each will fit a wide range of sizes.

NO. RC-50, two bands. Capacity 2 $\frac{1}{8}$ " to 5". Net price

NO. RCT-50, two bands. Capacity 3 $\frac{1}{2}$ " to 7". Net price

NO. RCT-150, four bands. Capacity 3 $\frac{1}{2}$ " to 7" x 6 $\frac{1}{2}$ " deep. Net price

NEW TYPE PISTON RING INSERTER



50% TIME SAVED ON RING INSERTIONS

It takes only half as long to compress and insert piston rings this new easy way. Drop piston and rings into tapered opening of Inserter and push into cylinder. It's as easy as that!

Three finger openings are provided on Ring Inserter so each ring may be easily lined up in its groove in the piston while pushing the piston into the Inserter. A small slotted section in the wall of the tool permits expansion for installation of pistons and rings up to .060 oversize.

Simplicity of design, together with a special iron alloy, give it the elasticity for complete compression of rings. Specially designed to handle the new U-Flex as well as all other types of rings.

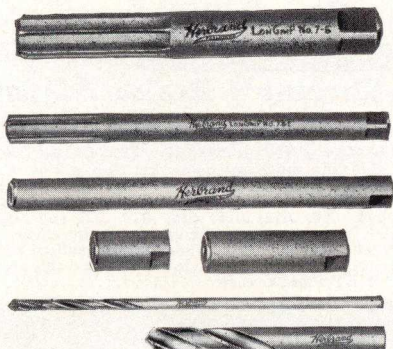
MECHANICS NET.....

FEATURES . . . of this New Type Inserter

1. Ideal for U-Flex Rings.
2. No mechanical attachments to break, a lifetime tool.
3. Designed to handle both 3 and 4 ring pistons.
4. Elasticity of the tool allows for the installation of pistons and rings up to .060 oversize.

Type No.	Size	Type No.	Size	Type No.	Size
RC-300	3"	RC-318C—Cutaway Special	3 $\frac{3}{16}$ "	RC-350	3 $\frac{1}{2}$ "
RC-306S—Ford Special	3 $\frac{1}{16}$ "	RC-325	3 $\frac{1}{4}$ "	RC-356	3 $\frac{9}{16}$ "
RC-309	3 $\frac{3}{32}$ "	RC-331	3 $\frac{3}{16}$ "	RC-412	4 $\frac{1}{8}$ "
RC-312	3 $\frac{1}{8}$ "	RC-337	3 $\frac{3}{8}$ "	RC-437	4 $\frac{3}{8}$ "
RC-318S—Ford Special	3 $\frac{3}{16}$ "	RC-343	3 $\frac{7}{16}$ "		

Write for information concerning special sizes for trucks, motorcycles, small cars, etc.



"Van-Chrome" LonGrip Screw and Stud Extractors

Straight Flutes—No Taper

*A New, Positive Method of Screw Extraction—
Saves Dismantling, Shutdowns and Costly Delay*

Revolutionizing old methods of screw and stud extraction, these new LonGrips make obsolete the old tapered type. They are the only Straight Fluted Extractors made and the only type that positively engage broken threaded ends their entire length. When inserted they key themselves into the shell work like an internal socket wrench and cannot turn into or out of the broken ends. There is no damaging of costly parts or threads, no wedging, no reaming or shell spreading and no failures. The LonGrip straight fluted principle eliminates all guess-work and hazards, because guides are used for accurate centering at depths. Drill clear through a broken off screw, bolt or stud end, drive in a LonGrip Straight Fluted Extractor and turn it out easily and safely.

These Straight Fluted Extractors provide the only safe and efficient means of removing broken threaded ends of studs and screws that are deep below the surface, and positively eliminate dismantling motors, machinery or parts to expose stud ends.

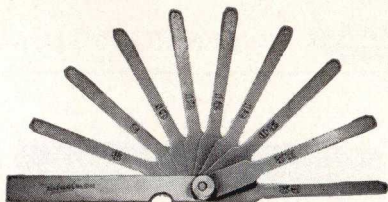
The use of LonGrips nullifies all the costly delays and shutdowns, damage to expensive parts, and the time-consuming aggravation of unsuccessful performance. Every mechanic, maintenance shop and factory can be equipped with "Van-Chrome" LonGrip Straight Fluted, Full Range Extractor Sets, because the cost is small and a single use will pay for them in time and labor saved.



SET NO. XX-10

SET NO. XX-10 is a popular assortment of standard length Extractors, Drills and Guides for $\frac{1}{4}$ " to $\frac{1}{2}$ " screws or studs suitable for depth extraction up to 1". Contents: one each of 5 Extractors, Nos. 1E to 5E inclusive, one each of 5 Special Drills, Nos. 1D to 5D inclusive; one each of 10 Drill Guides; and an Extractor Wrench. Total of 21 pieces, fitted in a die cast, metal box. Weight $2\frac{1}{4}$ lbs.

NET PRICE, complete.....

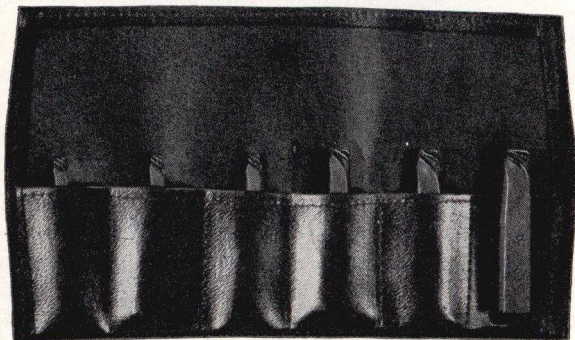


"Van-Chrome" Brake Adjustment Feeler Gauge No. G-14

Tested for Accuracy and Temper—Imported Swedish Steel

The only brake adjusting gauge on the market that will work on all cars for clearance between the brake shoe and the drum when setting brakes. No. G-14 includes the nine necessary feeler gauge sizes for all types of brakes, namely: .006, .008, .010, .012, .015, .018, .020, .022 and .032. The blades are 4" long, which is the proper length for maximum efficiency and ease of handling. Hydraulic brakes must be thoroughly equalized to insure efficient operation and safety, and every mechanic should have this special gauge.

NO. G-14. NET PRICE, each.....



Herbrand Screw Extractors

Extremely tough and practically unbreakable, providing safe and efficient means of removing broken threaded ends of studs and screws.

Every mechanic should have a set of Screw Extractors, because they will soon pay for themselves in saved time and labor. Made of Chrome Vanadium Steel, heat treated and guaranteed.

Size No.	For Bolt Diameter	Use Drill Size	Drill Depth	Net Price
870-X	5/8" and up	7/16"	5/16"	
871-X	1/2" to 5/8"	3/8"	5/16"	
872-X	7/16" to 1/2"	5/16"	1/4"	
873-X	3/8" to 7/16"	1/4"	1/4"	
874-X	5/16" to 3/8"	5/16"	3/16"	
875-X	1/4" to 5/16"	5/32"	5/16"	

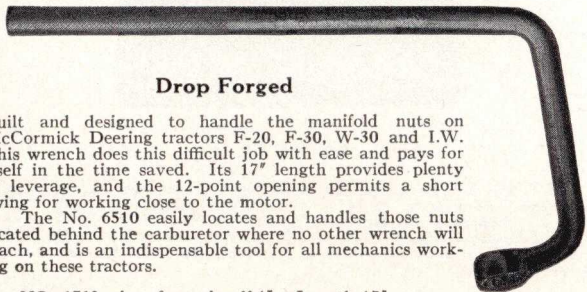
SET NO. 876-X contains 1 each of the following: 872-X, 873-X, 874-X, 875-X.

NET PRICE, complete in leatherette roll.....

SET NO. 877-X contains 1 each of all the above 6 sizes.

NET PRICE, complete in leatherette roll.....

McCormick Deering Manifold Wrench No. 6510



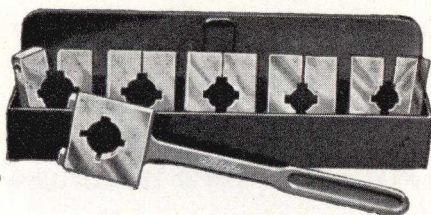
Drop Forged

Built and designed to handle the manifold nuts on McCormick Deering tractors F-20, F-30, W-30 and I.W. This wrench does this difficult job with ease and pays for itself in the time saved. Its 17" length provides plenty of leverage, and the 12-point opening permits a short swing for working close to the motor.

The No. 6510 easily locates and handles those nuts located behind the carburetor where no other wrench will reach, and is an indispensable tool for all mechanics working on these tractors.

NO. 6510, size of opening 1 3/16". Length 17".

NET PRICE, each.....



Pat.
Applied
For

SET NO. 880½

"VAN-CHROME" RETHREADING TOOLS AND SETS

Interchangeable Unit Dies

Chrome Vanadium Steel—Attractively Nickel Plated

Another Herbrand contribution to the economy and efficiency of mechanics. A separate Handle in which any size Rethreading Die may be quickly inserted. The most practical idea yet evolved for a Rethreading Tool. With the old type of rethreader, in which several dies are cut immovably in one tool, the mechanic often pays for die sizes for which he has no use—also the most frequently used sizes cannot be replaced when worn or damaged without buying an entire new costly outfit. With the Herbrand Rethreading Tool it is only necessary to purchase the Handle and separate die sizes best suited to the individual need. Additional interchangeable dies may be purchased separately as conditions demand.

The "Van-Chrome" Rethreading Tool is the most modern for straightening and restoring battered or deformed threads which have become damaged through pounding or cross threading on axle shafts, cam shafts, transmission shafts, drive shafts, bolts, studs and the like.

The specially designed Handle is drop forged from Chrome Vanadium Steel, provides the greatest possible speed and is light in weight for ease of handling. The simple removal of two bolts permits the insertion of the proper size die. All dies are interchangeable on handle.

It performs a perfect job with a minimum of time and effort. The die should be placed on the shaft back of the damaged threads and backed off, making two or three passes, tightening the die slightly each time. The final pass should be made with the bolts securely tightened, which will size the threads perfectly.

Catalog No.	Size of Die	Threads to Inch	Net Price Each
882	5/8	18 SAE	
883	3/4	16 SAE	
884	7/8	14 SAE	
885	1	14 SAE	
886	1 1/8	12 SAE	
*887	1 1/4	12 SAE	

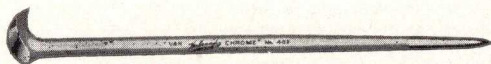
*Terraplane. †Chevrolet, late 1932. ‡Hudson-Essex. §International Truck.
**Fits Chevrolet armature shaft.

NO. 881, Handle only. Length 10½". Weight 9 ozs.

NET PRICE, complete with bolts, each.....

SET NO. 880½ includes Handle No. 881 and 6 Interchangeable Dies, Nos. 882, 883, 884, 885, 886, 887, listed above. Weight 3 lbs. 12 ozs.

NET PRICE, complete, in metal box.....



"VAN-CHROME" MULTIUSE PRY BAR

Drop Forged from Chrome Vanadium Steel

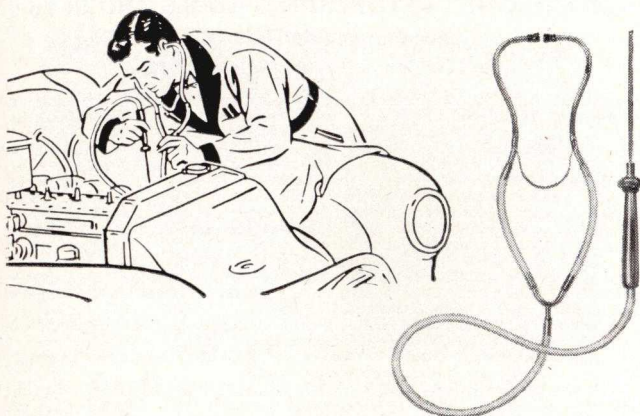
The novel design of the forged head of these pry bars permits a great many uses never before found in any tool. They have all the utility of the older types plus additional value as a pry for taking off gears, bushings, bearings, grease caps, grease retainers, ball races and lifting cylinder heads. The tapered end can be used for lining up body and fender bolt holes, motor support bolt holes, etc.

No pry bar on the market can compare with this new type Herbrand-Pry Bar, which is designed for dozens of new uses and built to stand up under the heaviest work. The pry point is thinned down to readily engage close-fitting parts, and the rounded heel supplies a powerful leverage.

NO. 485, length 15". NET PRICE, each.....

Track down troubles quickly . . . **BY SOUND!**

With This New Herbrand "MULTISCOPE"



Here's a brand new tool using a tried and proven method of locating and identifying mechanical troubles. It will save your customer countless hours of tear-down time by aiding in accurate diagnosis of many car troubles as soon as a car comes into garage for service.

The MULTISCOPE No. MS-1 works on the same sound conduction principal as a doctor's stethoscope. By tracing the intensity of the trouble sound, a mechanic can locate, and in short order identify a piston slap, bearing knock, valve noise, body squeak, etc. In addition, it adds to the mechanic's professional status, and enables him to let the customer hear for himself what and where the trouble is. It's a super sonic money maker.

MECHANICS' NET

A HERBRAND MULTISCOPE WILL HELP YOU

- 1 Increase the number of jobs per day
- 2 Provide fast, accurate diagnosis of trouble
- 3 Avoid unnecessary tear-downs
- 4 Allay customers' skepticism

. ON JOBS LIKE THESE

Piston Slap	Water Pump Failure	Leaks In Compressed Air
Bearing Knock	Body Squeaks	or Gas Lines
Faulty Valves	Worn Gears	Invaluable for any
Frozen Shackles	Bearings and Brushes	Equipment with Moving
Gasket Leaks	In Electric Motors	Parts or Materials

Prices subject to change without notice.



SET NO.
570½

"VAN-CHROME" UNIVERSAL BUSHING SERVICE TOOLS

A Size for Every Need—Triple Nickel Finish

Chrome Vanadium Steel

The new thin bushings used so extensively on modern cars are difficult to remove without the proper tools. Eleven interchangeable Step Collars and two Driving Handles cover the complete range of sizes for the large variety of bushings encountered on present-day cars, trucks, busses, tractors and electric motors.

The five smaller Collars and ⅜" service Driving Handle cover a range from ½" to ¾" inside diameter. The six large Collars to fit the ⅝" service Driving Handle vary from 1⅜" to 1⅞" inside diameter. Included in these sets is a size for nearly every bushing found on generators, starters, distributors, transmissions, pistons, connecting rods, tie rods, spindles, king pins, springs, steering gears, water pumps, etc.

All parts are made from Chrome Vanadium Steel. Collars are accurately machined to insure a perfect fit and are held securely in place on the Driving Handle by a spring compression ball. The Handles are deeply knurled. We recommend complete sets, but the Handles and Step Collars can be purchased individually if desired.

⅜" SERVICE STEP COLLARS

Catalog No.	Inside Diameter Bushing	Outside Diameter Bushing	Dealer Net Price Each
552	½	⅝	
553	½	1⅜	
554	⅝	¾	
555	1⅜	1⅝	
556	¾	1⅞	
*557	2⅜	2⅞	

*Fits Chevrolet King Pins.

NO. 551, Driving Handle, ⅜" service, for above Collars. Length 7".
NET PRICE, each.....

SET NO. 550 contains one each of the five Step Collars, Nos. 552-556, inclusive, and No. 551 Driving Handle.
NET PRICE, in fibre box.....

⅝" SERVICE STEP COLLARS

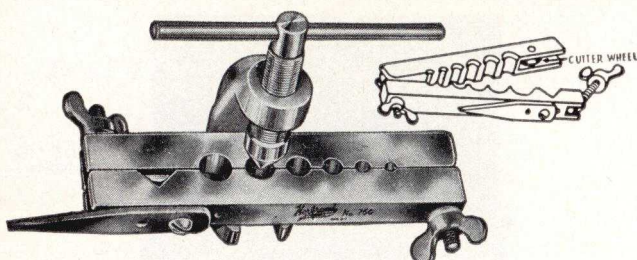
562	1⅜	1⅝	
563	⅞	1	
564	1⅝	1 ⅜	
565	1	1 ⅝	
566	1 ⅜	1 ⅞	
567	1 ⅞	1 ⅞	

NO. 561, Driving Handle, ⅝" service, for above Collars. Length 7".
NET PRICE, each.....

SET NO. 560 contains one each of the six Step Collars, Nos. 562-567 inclusive, and No. 561 Driving Handle.
NET PRICE, in fibre box.....

SET NO. 570, a complete assortment of 11 Step Collars and 2 Driving Handles listed above.
NET PRICE, complete, in fibre box.....

SET NO. 570½, a complete assortment of 11 Step Collars and 2 Driving Handles listed above.
NET PRICE, complete, in metal box.....



**COMBINATION TUBE CUTTER, FLARING TOOL
AND REAMER NO. 750**

Range from $\frac{3}{16}$ " to $\frac{5}{8}$ "

Three Tools in One

Combined in one tool, Herbrand has developed the most modern, convenient method for repair or replacement work on all popular sizes of copper, brass, aluminum or similar tubing used on gas, oil and other feed lines. This practical tool does the perfect job required for tight-fitting connections and leak-proof joints and works on tubing without removing it from the car.

The cutter wheel is made from exceptionally strong steel with a keen, thin cutting edge. It easily cuts all sizes of tubing from $\frac{3}{16}$ " to $\frac{1}{2}$ " without flattening or distorting the tubing, and eliminates the possibility of filings or grit dropping into the feed lines.

Six flaring dies are included in this tool to give all popular sizes of tubing the accurate flare and taper that insures a perfect, tight joint. It conserves labor and time and does a speedy job without the aid of loose dies or vise.

The V-shaped section, which is adjustable, acts as a tube reamer.

NO. 750, capacity $\frac{3}{16}$ " to $\frac{5}{8}$ ". Length $5\frac{1}{2}$ ".

NET PRICE, complete.....

Extra Cutter Wheels.....



HERBRAND TUBE BENDERS

Made in Six Sizes

Copper tubing cannot be bent without kinking unless the Tube Bender is used. These simple yet practical benders do a perfect job and eliminate all possibility of distorting. They bend the tubing by hand to any desired shape without collapsing the tubing.

Available in six sizes for perfect bending of tubing from $\frac{1}{4}$ " to $\frac{5}{8}$ ".

Cat. No.	Size	Length	Net Each
752	$\frac{1}{4}$ "	$7\frac{1}{2}$ "	
753	$\frac{5}{16}$ "	$7\frac{1}{2}$ "	
754	$\frac{3}{8}$ "	$7\frac{1}{2}$ "	
755	$\frac{7}{16}$ "	$7\frac{1}{2}$ "	
756	$\frac{1}{2}$ "	$7\frac{1}{2}$ "	
758	$\frac{5}{8}$ "	$7\frac{1}{2}$ "	

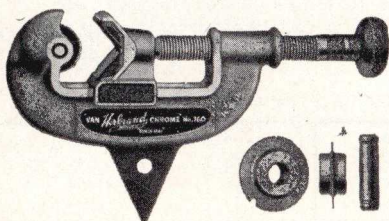
SET NO. 759, containing one each of 6 Benders.

NET PRICE, complete.....

TUBE CUTTER NO. 760

Capacity $\frac{1}{8}$ " to 1"

Self-centering feature



A few simple turns of this perfectly balanced, light, strong tool and you have a smooth, clean cut with practically no burr.

The razor-edge wheel cuts brass, bronze, copper or similar tubing through the entire thickness without internal or external burr.

The V-shaped, twin-piece jaw and cutting wheel are always accurately held on the center of the tubing, so that when the knurled adjusting screw is turned up the tool automatically moves in a straight line, insuring only precision, right-angle cuts. This eliminates all possibility of distortion of tubing, ragged edges or off-center cuts.

The cutter wheel is made from a special analysis tool steel and has the ability to hold its keen cutting edge indefinitely. The replaceable cutter wheel is held in place with pin and clip springs.

NO. 760, length $5\frac{1}{2}$ ".

NET PRICE, each.....

Extra Cutter Wheels for 760.....

NET PRICE, each.....

New Streamlined

Body and Fender Tools

For Modern Application

Matched—Balanced—Distinctive—Original

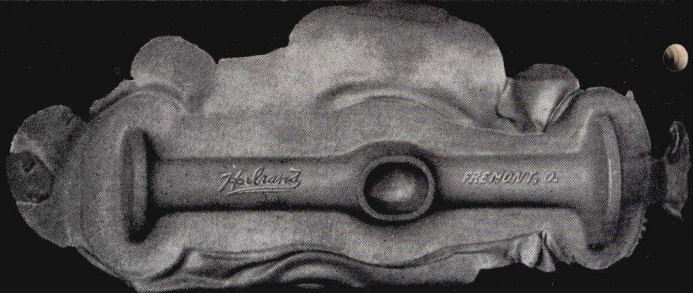
Forged from Chrome Alloy Steel—No Castings

Car dealers and garage men recognize the importance of using only the finest tools, of extremely careful and accurate construction and ultra modern design, for body and fender work on to-day's cars. In the past, little attention has been paid to the needs of the repair shop and garage man regarding adequate body and fender equipment. Most tools were designed for the car manufacturer, who usually works on unfinished metal and does not have to contend with the intricate repairing of smashed bodies and crumpled fenders. The repair man must contend with this condition and turn out finished work equal in quality with a new factory job.

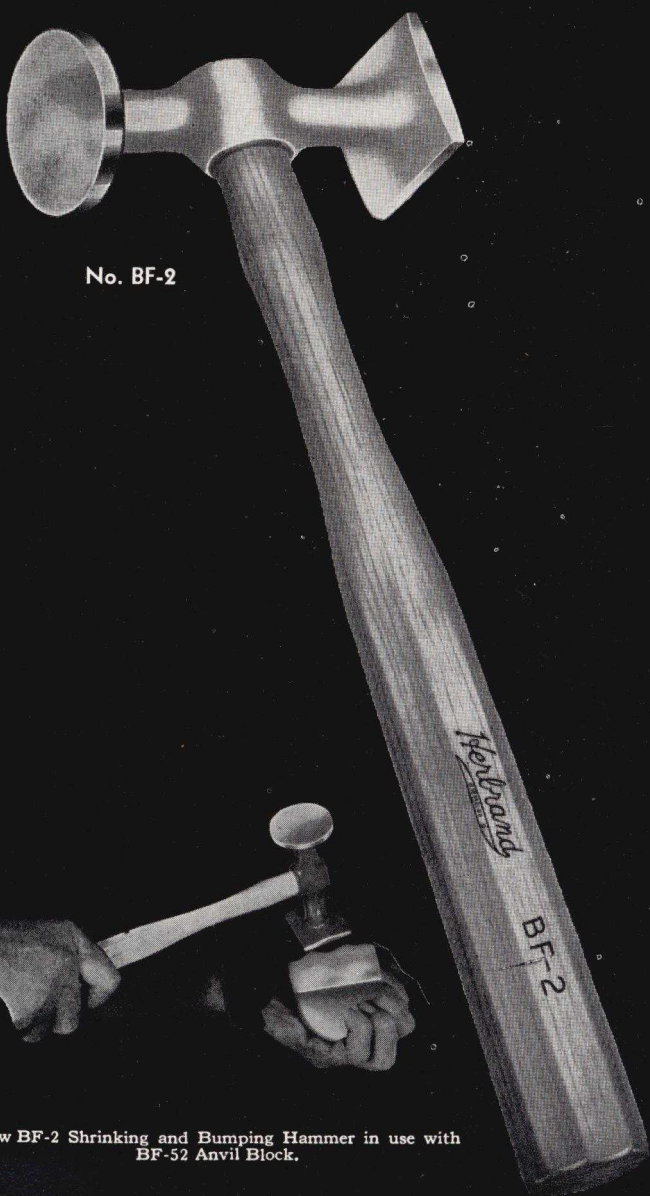
To achieve the correct design and to fit the new streamlined bodies and fenders, special and extensive surveys were made by Herbrand, using the experience of specialists and expert mechanics. Originally designed by Chas. T. Opperman, whose creative genius, fortified by fifteen years' concentrated experience in the needs of the craft, produced this new line which is the standard of excellence and stands pre-eminent in the body and fender repair field. For that reason the "Van-Chrome" line of Body and Fender Tools offers the only correct Body Bumping and Fender repair equipment to speed up work and produce it on a profitable basis.

Every tool is drop forged or hand forged and no castings whatsoever are used. They are precision made from exact dies, and every working surface is given a mirror-like finishing smoothness that results from seven grinding, buffing and polishing operations. Extreme care has been taken to provide the correct shape, contour, balance, weight and leverage so mechanics can readily select the right tool for any specific condition.

Shops may be filled with equipment and yet be at a loss to handle this profitable body and fender work with inadequate and outmoded tools. The Herbrand line is entirely original and includes every required tool to fit the angles, curves, contours, for every conceivable condition and for efficient work in the most hard-to-get-at places so prevalent in the new streamlined body and fender designs. These tools are guaranteed to be mechanically fitted for their specific use.



Drop Forging of Hammer Head
Before Flashing is Trimmed Off.



No. BF-2

New BF-2 Shrinking and Bumping Hammer in use with
BF-52 Anvil Block.

"Van-Chrome" Body and Fender Hammers

**Perfectly Balanced—Precision Polished
Flat Machined Faces**

Drop Forged from Chrome Alloy Steel

The specially designed Matched Bumping Hammers in this streamlined set give the body worker a complete range for every conceivable type of body and fender work. Each hammer has two different heads and faces doubling their utility. "Van-Chrome" Hammers differ from the conventional type because they are original in design with heads perfectly balanced from the eye of the handle. The weights are carefully calculated and the flat faces are precision ground and highly polished to an unblemished smoothness to bring out the exact shape that the job requires, which is highly essential to avoid damage, stretching of metal and for perfect workmanship. Individually drop forged from a special analysis of Chrome Alloy Steel, double normalized to relieve all forging strains, scientifically heat treated for toughness, strength and extreme resistance to constant shock. Symmetrical shanks of minimum thickness provide maximum clearance.

The lacquered handles are first grade, second growth white hickory with hand-shaped octagon grip, eliminating the tense "strangle hold" so detrimental to perfect control and accuracy. Hammer heads are permanently held on the handles by a patented, corrugated, drop forged wedge. Highly polished, perfectly smooth flat faces, blue enamel bodies. Fully guaranteed.

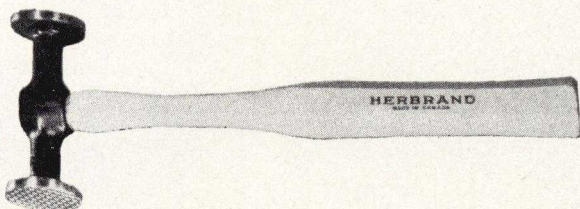
BF-2 METAL SHRINKING AND BUMPING HAMMER

Extra Wide Round and Square Faces

A New Hammer with extra wide faces which is very essential for shrinking metal when heat is applied. This latest in shrinking hammers also makes an ideal bumping and finishing hammer. Both faces are perfectly flat, eliminating the hazard of stretching soft metal.

Diameter of round face $1\frac{7}{8}$ ", square face $1\frac{5}{8}$ ". Head $4\frac{1}{4}$ " overall. Clearance from handle to faces $1\frac{3}{4}$ ". Length 12". Weight 1 lb.

NET PRICE, each

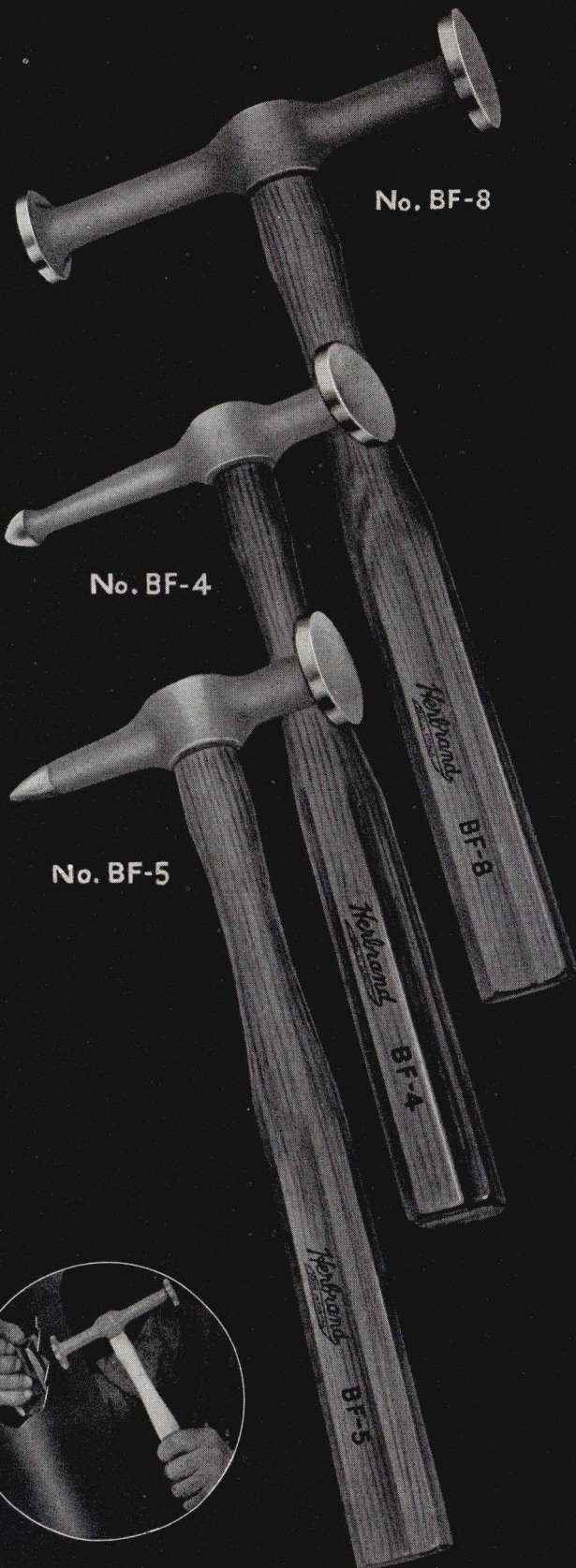


BF-12 IMPROVED SHRINKING AND FINISHING HAMMER

Rounded corners on cross milled serrated surface shrinks stretched metal faster and easier with less damage than ordinary square cornered hammer faces. Does a better job in less time. Patent applied for.

Length 12". Weight 1 lb.

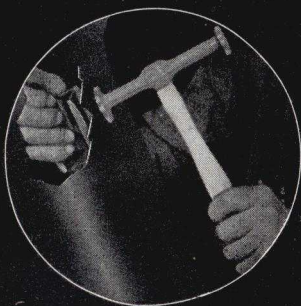
DEALER NET PRICE



No. BF-8

No. BF-4

No. BF-5



"Van-Chrome" Body and Fender Hammers

**Perfectly Balanced—
Tough, Highly Polished Flat Faces**

Drop Forged from Chrome Alloy Steel

Specifically designed for modern application to damaged metal in fenders and bodies, they definitely obsolete the outmoded, inefficient hammers generally used. Oftentimes costly damage is created by ill-directed strokes, uneven faces and wrong contours. "Van-Chrome" Hammers are styled for the highest degree of efficiency and accuracy on present-day cars.

NO. BF-8 BALANCED DING HAMMER

Combination Large and Small Round Faces

This is the only perfectly balanced Double End Ding Hammer made with two round heads and large and small flat faces. It will hit a solid flat blow in a great many places where it is impossible to reach with any other shape hammer. From the centre of the handle eye, both ends weigh exactly the same.

Double faces, diameters $1\frac{1}{4}"$ and $1\frac{5}{8}"$. Head overall $6\frac{1}{8}"$. Clearance small face to handle $2\frac{7}{8}"$; large face to handle $2\frac{7}{16}"$. Length 12". Weight 1 lb. 6 ozs.

NET PRICE, each.....

NO. BF-4 LONG LOW SPOT PICK HAMMER

Combination Acorn-shaped Pick and Flat Face

A Double End Hammer with a very essential pick punch use to bump out small low spots while filing metal. Will pay for itself with the amount of solder saved. The pick point is specially designed to penetrate soundproofing material extensively used on tops, bodies and doors.

Diameter flat face $1\frac{5}{8}"$. Head overall 6". Clearance from face to handle $1\frac{5}{8}"$; from handle to pick $3\frac{5}{8}"$. Length 12". Weight 13 ozs.

NET PRICE, each.....

NO. BF-5 SHORT LOW SPOT PICK HAMMER

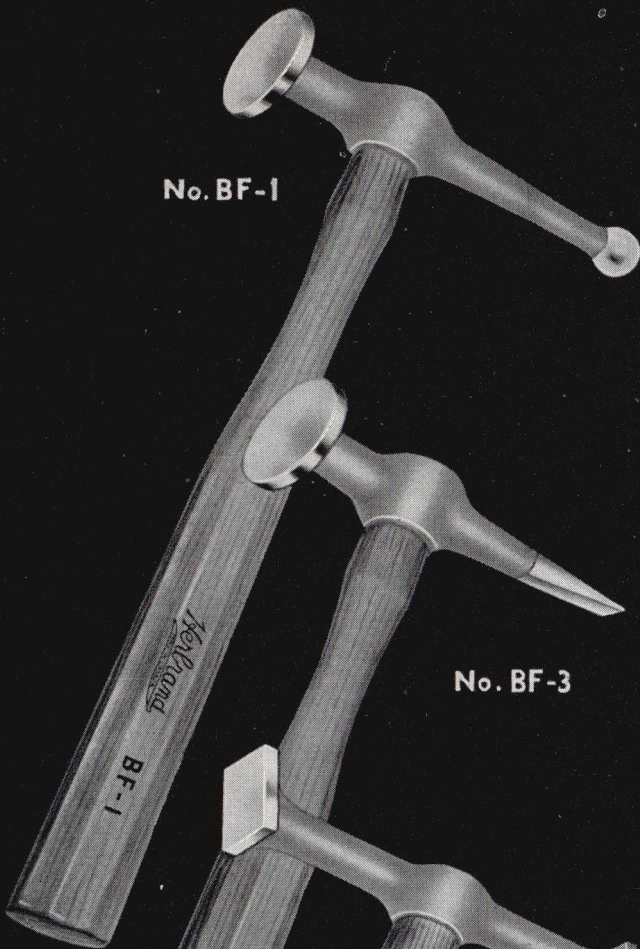
Combination Point Pick and Fat Face

The extra sharp point is exceptionally handy for bumping out very small low spots and is used mostly when working under fenders. It is perfectly balanced and the flat face of the opposite end also makes it an ideal finishing hammer.

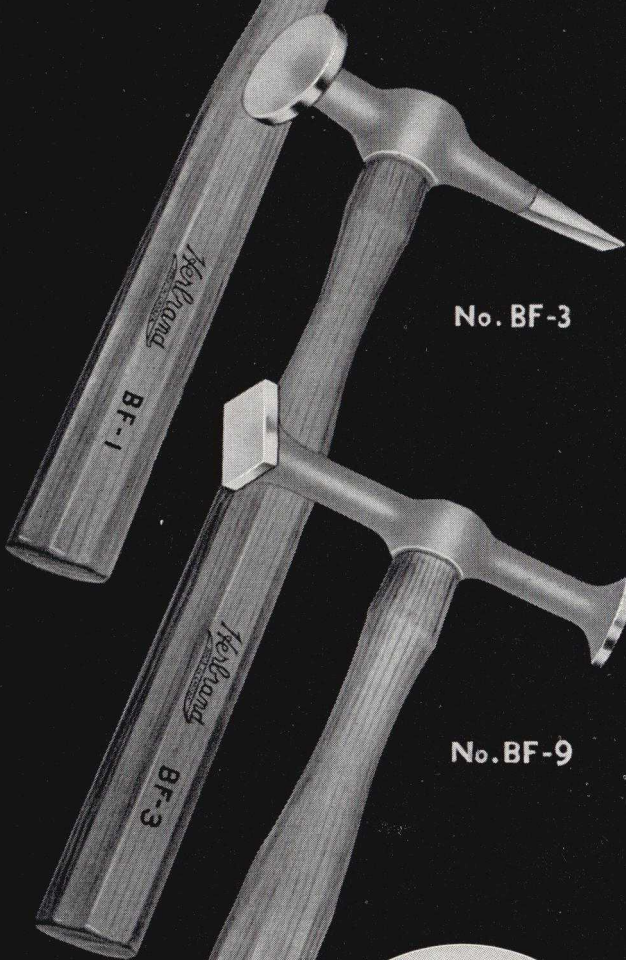
Diameter face $1\frac{5}{8}"$. Head overall $4\frac{7}{8}"$. Clearance from face to handle $1\frac{5}{8}"$; from point to handle $2\frac{5}{8}"$. Length 12". Weight 12 ozs.

NET PRICE, each.....

No. BF-1



No. BF-3



No. BF-9



"Van-Chrome" Body and Fender Hammers

**Perfectly Balanced—
Tough, Machined Flat Faces**

Drop Forged from Chrome Alloy Steel

There is no such thing as having too many hammers, because each "Van-Chrome" is originally designed for a specific purpose and to produce perfect results with the utmost facility. Time was when mechanics could "get by" with ancient, conventional hammers, but the new streamlined body and fender designs demand the ultra Modern Herbrand Matched Hammers.

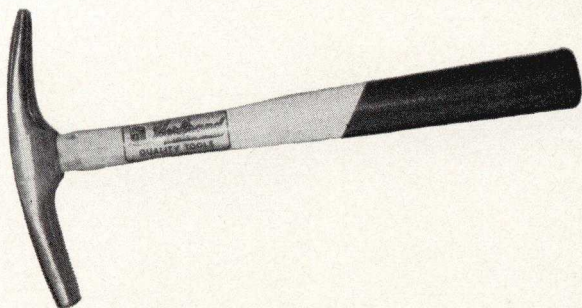
NO. BF-1 BALL END HAMMER

Combination Long Shank—Ball End and Flat Face

A Dual-use Hammer combining a perfect ball end for raising large low spots, and a flat finishing face. Very handy in window corners. Perfectly balanced and expertly finished.

Highly polished smooth flat face and ball. Diameter face $1\frac{7}{8}$ ". Head overall 6". Clearance from handle to ball $3\frac{5}{8}$ "; from handle to face $1\frac{15}{16}$ ". Length 12". Weight 14 ozs.

NET PRICE, each.....



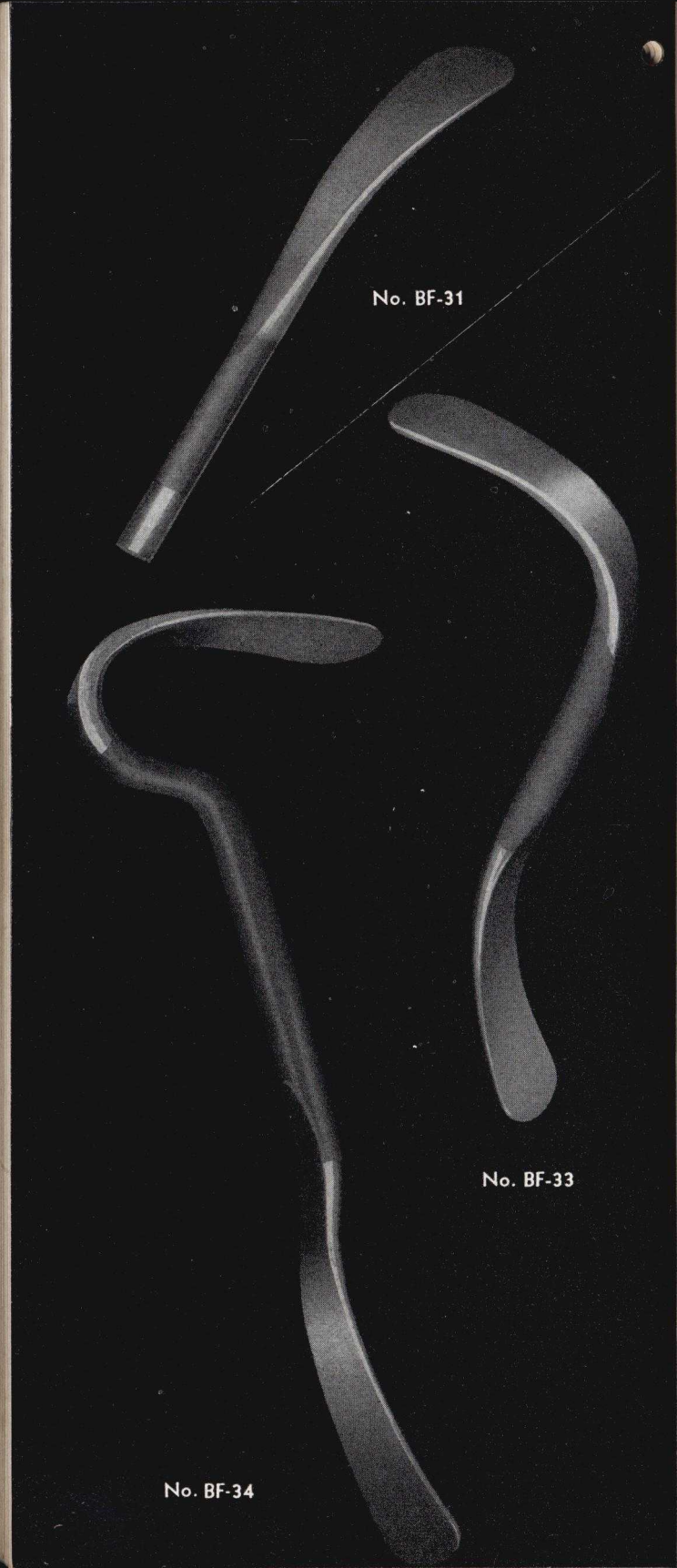
BF-27 MAGNETIC TRIM HAMMER

Forged from the finest magnetic steel and specially heat treated. White hickory handle with end grip Herbrand blue.

$10\frac{3}{4}$ " long. Weight 7 oz. Head $5\frac{1}{2}$ " long.

DEALER NET PRICE

Prices subject to change without notice.



No. BF-31

No. BF-33

No. BF-34

Multifit Body and Fender Spoons

RIGID—LONG REACH—NECESSARY CONTOURS

Drop Forged from Special Tool Steel

They enlarge the scope of body and fender repair work, provide an extra reach, have every conceivable contour and ding out dents inaccessible to dolly blocks. Essential for bending and prying and the wide flat faces will not cause damage. Heavy, rigid construction and heat treated. Working surfaces have an unblemished smoothness acquired from multiple grinding and polishing operations.

The toughest job on streamlined bodies and skirted fenders becomes routine with these Master Tools. They incorporate the latest engineering principles, the finest materials and the most skilled craftsmanship. Every Spoon in this line is drop forged from a select grade of Special Tool Steel. Herbrand blue lacquer on the bodies and the extra fine, highly polished faces of these tools identify these Modern Spoons.

NO. BF-31 INSIDE PRY AND SURFACING SPOON

For Prying and Bumping Operations

Where a Driving Spoon is necessary in limited spaces this short handled tool will be found invaluable. Also works efficiently as a pry spoon behind braces and edges of panels.

Length 14". Weight 2¼ lbs. NET PRICE.....

NO. BF-33 GENERAL PURPOSE SPOON

Two Anvil Faces with Unusual Contours

An Ideal Drive Spoon with extra wide oval faces shaped to fit the contour of most parts of the body. Useful for driving out drip moulding, deck panels, beading and headlight work. Efficient behind steel braces, for cowl work and for prying.

Length 15". Weight 2 lbs. 9 ozs. NET PRICE.....

NO. BF-34 PRY AND BUMPING SPOON

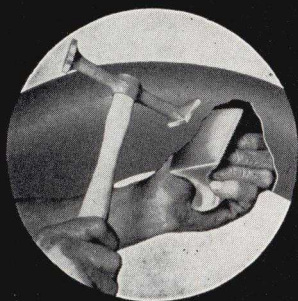
Combination Long Leverage Bar and Anvil Face

A Double End, Heavy Duty General Purpose Door and Body Pry Spoon with wide, slightly crowned faces. The blades are ingeniously angled to produce the proper leverage in every conceivable position. Essential for prying and bumping on all-metal doors, cowls, aprons, fenders and working back of inner structures.

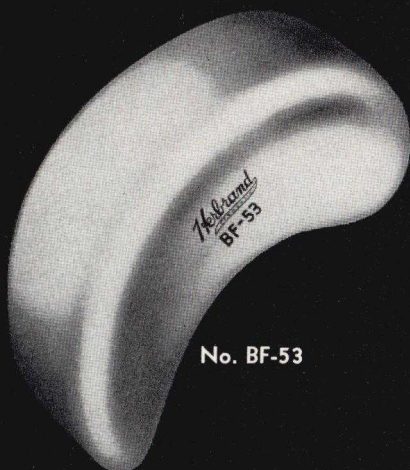
Length 22". Weight 4 lbs. 2 ozs. NET PRICE.....



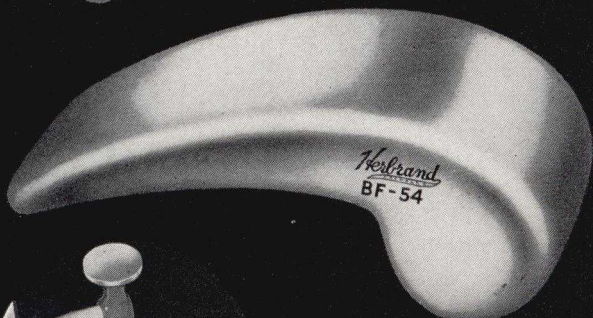
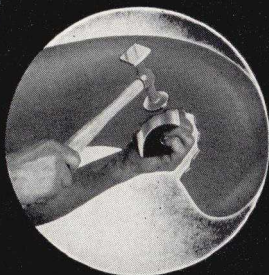
No. BF-51



No. BF-52



No. BF-53



No. BF-54



"Van-Chrome" Body and Fender Anvil Blocks

Four Blocks—Obsolete Conventional Dollies

Drop Forged from Chrome Alloy Steel—No Castings

Herbrand did not imitate the old-fashioned conventional dollies, but originated 4 Anvil Blocks of unusual efficiency. In reality these blocks are miniature anvils, very finely finished and ingeniously constructed to produce perfect results. They have safety hand-grips for use under deep skirted fenders, where the long reach does not permit the use of a hammer. The shapes, contours and sizes are just right to fit any of the unusual curves and formations so widely used in streamlined bodies and fenders. Drop forged, heat treated, accurately ground and finished to mirror-like smoothness.

NO. BF-51 GENERAL PURPOSE ANVIL BLOCK

This Distinctive New Herbrand Block is one of the handiest ever developed. The wide, curved faces fit the contours of practically all parts of the body, fenders and doors on today's streamlined cars, and the small oval works perfectly on outside curves where the finishing hammer is used on the inside of the work. It fits the natural grip of the hand and is unusually well adapted to bumping out low spots and dents where the hammer and anvil action cannot be used.

Length 4". Height $2\frac{1}{4}$ ". Width $2\frac{3}{4}$ ". Anvil faces 3" x 3" and $1\frac{7}{8}$ " x 4". Weight 3 lbs.

NET PRICE, each.....

NO. BF-52 ANVIL RAISING BLOCK

Made especially for deep skirted fenders and around rolled edges, with a semi-flat surface for shrinking when heat is applied. The hand has plenty of clearance from the hot metal and in close places it may be gripped for a swinging blow without injury to fingers.

Size $2\frac{3}{8}$ " x $2\frac{5}{8}$ " x $2\frac{7}{8}$ ". Weight 3 lbs. 5 ozs.

NET PRICE EACH.....

NO. BF-53 HIGH CROWN ANVIL BLOCK

For all types of high crown fenders and other bumping operations. The narrow end is used to back up inside of mouldings, while the larger end is used as a raising block. Fits every high crowned contour.

Length $4\frac{1}{4}$ ". Width $2\frac{5}{8}$ ". Height $1\frac{7}{8}$ ". Weight 3 lbs. 14 ozs.

NET PRICE, each (Temporarily Unavailable)

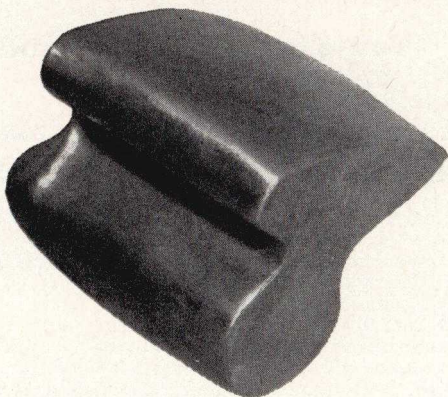
NO. BF-54 ROOF WEDGE ANVIL BLOCK

The sharp, tapered wedge is for driving out roof rails, behind brackets and is very useful under fender braces. The face is almost flat, making a handy anvil for a wide variety of uses.

Length $5\frac{1}{4}$ ". Width $2\frac{5}{8}$ ". Height $1\frac{3}{4}$ ". Weight 3 lbs. 7 ozs.

NET PRICE, each.....

Prices subject to change without notice.

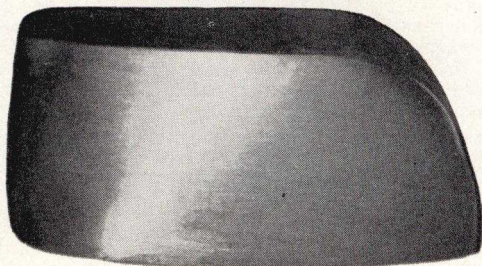


BF-57 GENERAL PURPOSE DOLLY

Has a wide range of crowned working faces and two flanging and beading lips. Can be used on all body areas especially recommended for deep fenders.

$2\frac{7}{8}" \times 2\frac{3}{8}" \times 2\frac{1}{4}"$. Weight $2\frac{3}{4}$ lbs.

DEALER NET PRICE

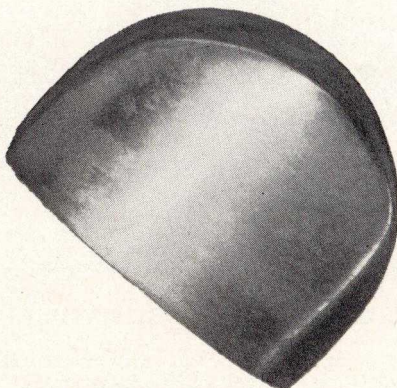


BF-55 TOE DOLLY

Has large perfectly flat face for dinging flat panels. Its thinness and length are handy for getting in narrow pockets.

$4\frac{3}{4}" \times 2\frac{3}{4}" \times 1\frac{1}{16}"$. Weight $2\frac{1}{2}$ lbs.

DEALER NET PRICE

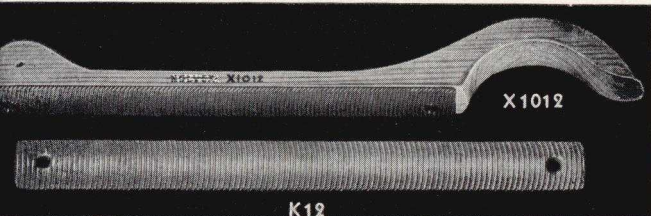


BF-56 HEEL DOLLY

For sharp corners and wide radii. Its compactness makes it handy in close quarters.

$3\frac{1}{8}" \times 2\frac{3}{8}" \times 1\frac{7}{16}"$. Weight $2\frac{1}{2}$ lbs.

DEALER NET PRICE



HALF ROUND (Convex) BODY FILES AND HOLDERS

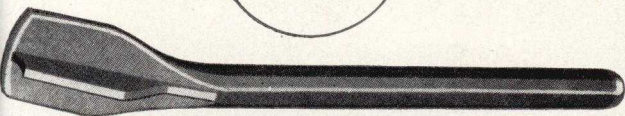
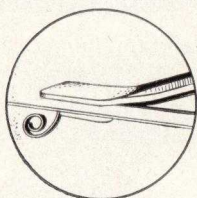
Half Round (convex) Files, to get into concave shapes on fenders, roofs, drip moulding, etc., where flat files won't work. Has teeth on one side only.

NO. BF-512C, 12" Half Round File, 12" long...NET PRICE, each....

NO. BF-612C, Shaped Wood Holder for above...NET PRICE, each....

NO. BF-514C, 14" Half Round File, 14" long...NET PRICE, each....

NO. BF-614C, Shaped Wood Holder for above...NET PRICE, each....



Panel Cutting Tool No. 72B

For Cutting Out Tops, Sides and Other Body Parts

Cuts to a Clean, Straight, Even Edge

As necessary to the body repair man as a can opener is to the housewife, this tool cuts out damaged body sections as clean as a hound's tooth. Entire tops, sides or other parts necessary for body repair are cut out cleanly and evenly, insuring a master job of welding in new panels.

The head is placed at the correct angle for clean, even and efficient cutting and to provide ample knuckle clearance. The tool is designed for perfect visibility under all conditions.

When used for the work intended, the Alloy Steel cutter will deliver long satisfactory service, but it is not guaranteed.

Cuts through body steel like a knife and is also used to cut sheet metal up to a body metal gauge. With a sharp hammer blow drive the Cutter through the metal at any desired starting point, then it easily guided in any direction. Made from Octagon Alloy Steel. Length 9 1/4". Weight 10 ozs. Finished in satin nickel.

NO. 72B, Panel Cutting Tool complete.....NET PRICE, each..



Muffer & Tail Pipe Cutter No. 497

Forged—1/2" Octagon Alloy Steel — Heat treated and tempered. Satin nickel finish, cutting head polished. Length 10". Weight 8 ozs.

The safest and most efficient muffer and tail pipe cutting tool yet developed. Cuts the metal. No rips, no tears, no dangerous rough edges. The angle between handle and working head provides proper clearance for hand and hammer.

NET PRICE.....



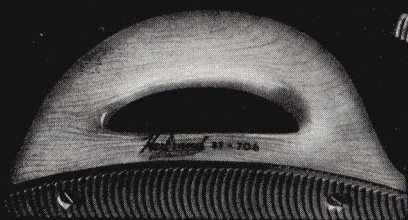
NO. BF-514 AND NO. BF-614 HOLDER



No. BF-712



No. BF-512



No. BF-706



No. BF-506



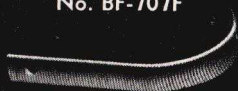
No. BF-507F



No. BF-707F



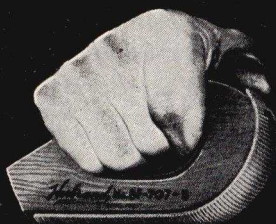
No. BF-707M



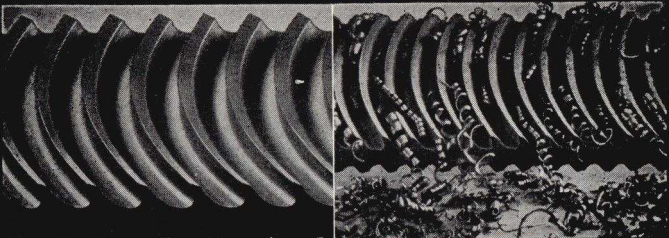
No. BF-507M



No. BF-507S



No. BF-707S



Enlarged views showing the individually milled, U-type, Extra Deep Teeth and how they avoid clogging or loading by producing ribbon-like shavings which spiral off the blades, always maintaining sharp, fast cutting teeth.

“Van-Chrome” Files and Holders

Milled, U-Type, “Shave Cut” Teeth

Self-cleaning—No Packing, Loading or Clogging

Startling developments in these New Super-efficiency Files are based on the milling cutter principle. Each tooth is individually milled with a land, which increases the strength and cutting qualities, and a “U-shaped” groove which provides maximum clearance and produces curled metal shavings, eliminating all packing and loading so common with the conventional V-cut file. “Van-Chrome” Files represent an investment in genuine efficiency and real economy never before available to mechanics. The keen, razor-like teeth speed up any metal planing work, and they are more effective for filing soft metals like solder, lead or aluminum which clog or load ordinary files.

FLAT AND SHAPED FILE HOLDERS

New Holders of vastly improved design that increase the life and usefulness of the files and reduce costs by avoiding breakage and economizing time and labor. These strong, lightweight Wooden Holders give perfect control of the work and are far superior to the adjustable metal type. Special screw anchors at each end make it quick and easy to change file blades.

NO. BF-714 COMBINATION FILE AND HOLDER

This inexpensive General Purpose No. BF-614 File Holder and BF-514 File are the most practical and popular for body, fender and panel repair and general refinishing. It is a perfectly balanced, lightweight Wooden Filing Plane with the strength and life of a steel holder and none of its disadvantages. The curve has just enough bow to accurately control the point of filing and works expertly on any straight, crowned or contoured surface. The flat backed surface protects and cushions the teeth on the reverse side of the files. The large knuckle protecting knob and hand-fit grip handle combine to provide a fast and easy-cutting metal plane action.

- NO. BF-714, Combination File and Holder. NET PRICE, complete.
- NO. BF-514, 14” Fast Cutting File only. NET PRICE.....
- NO. BF-614, Holder only. NET PRICE.....

NO. BF-712 HALF-CIRCLE CONVEX FILE AND HOLDER

This New Combination will cut, draw or push and replaces four different conventional files. Primarily built to get into concave shapes on fenders, roofs, drip mouldings, beads and any grooved places where flat files won't work.

- NO. BF-712, File and Holder. NET PRICE, complete.
- NO. BF-612, Holder only. NET PRICE.....
- NO. BF-512, Half Circle File only. NET PRICE.....

NO. BF-706 RADIUS FILE AND HOLDER

Here is the Combination Revel File and Holder that gets into corners and takes the grief out of very difficult filing. One side has an accurately machined radius to reach window frames against drip mouldings and smooth out small corners and ledges without damage to surrounding surfaces. Will often be found useful on smaller work where larger files do not permit the necessary stroke. This Radius File is 6” long, 1 3/16” wide at the center and 1/2” wide at each end. Teeth are milled on both sides, doubling their life and service.

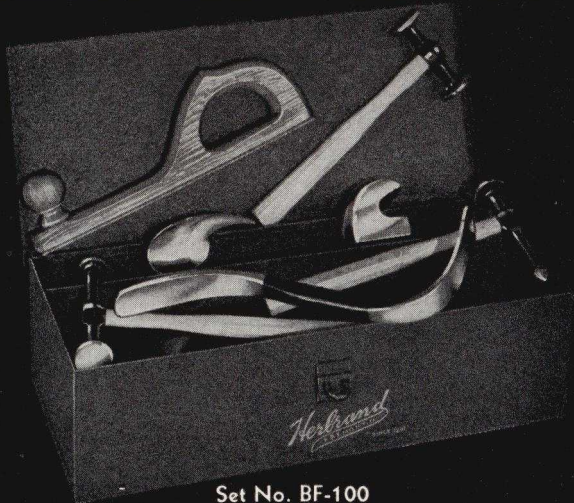
- NO. BF-506, 6” Radius File. NET PRICE.....
- NO. BF-606, Holder. NET PRICE.....

NO. BF-707 F-M & S FILES AND HOLDERS

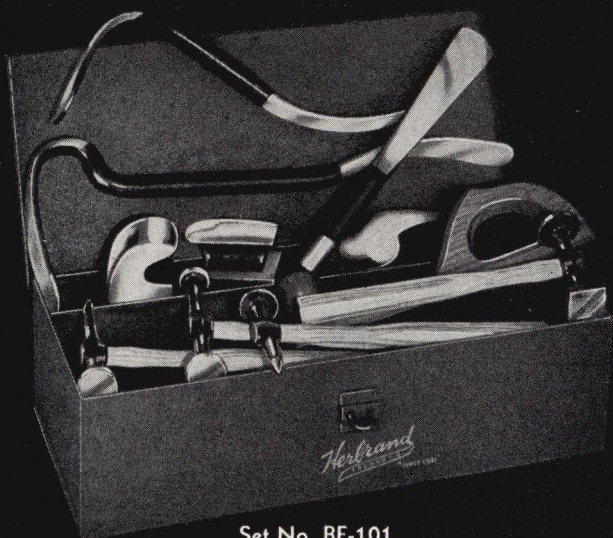
A Trio of “Shaped” Files that simplify the finishing of window revels, around windshields, ledges, trim, fender beads, depressed panel edges, lamp ridges, offsets and many delicate contours. The holders are small in size and fashioned to fit the accurately shaped files with flat, concave or convex cutting surfaces.

File Blades		Individual Holders
BF-507F	7” Flat Revel.....	BF-607
BF-507M	7” Moulding Revel (concave)..	BF-607
BF-507S	7” Shell Revel (convex).....	BF-607

SEE PAGE 115 FOR ADDITIONAL FILES AND HOLDERS



Set No. BF-100



Set No. BF-101



Set No. BF-102

"Van-Chrome" Body and Fender Tool Sets

SET NO. BF-100

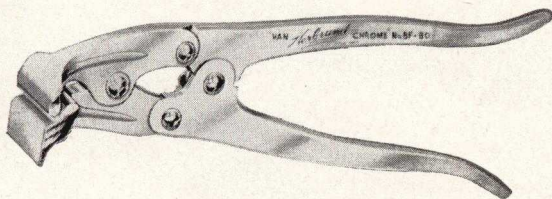
Minimum Assortment of 8 Essential Tools

This set contains the minimum requirements of the essential body worker's tools. Includes one each of 3 Perfectly Balanced Hammers, Nos. BF-2, BF-4 and BF-8; 2 Anvil Blocks, Nos. BF-52 and BF-54; General Purpose Spoon BF-33; File Holder BF-614; 14" Flexible File BF-514. Total of 8 pieces. Weight of tools 14 lbs. Weight of specially constructed metal box 17 lbs. NET PRICE, complete in bulk.....

SET NO. BF-101

Balanced Assortment of 11 Important Tools

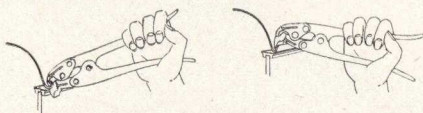
The tools in this careful selection combine to give the craftsman the well-balanced important body and fender equipment required to handle the most frequent jobs encountered daily. Contains one each of 3 Perfectly Balanced Combination Hammers, Nos. BF-2, BF-5, and BF-8; 3 Important Anvil Blocks, Nos. BF-51, BF-52 and BF-54; 3 Modern Design Bumping and Pry spoons, Nos. BF-31, BF-33 and BF-34; File Holder BF-614; 14" Flexible File BF-514. Total of 12 pieces. Weight, tools only, 24 lbs. Weight of special designed metal box, 17 lbs. NET PRICE, complete in bulk.....



BF-80 "Van-Chrome" Drip Rail Forming Plier

COMPOUND ACTION—10 TO 1 POWER

Drop Forged from Chrome Vanadium Steel



Crushed-in Drip Rails are quite common and present a real repair problem to the body worker because there has been no adequate tool to perfectly restore them without the expenditure of hours of time and grief. Herbrand's Distinctive Plier develops 10 to 1 power to squeeze out damaged drip rails with an ordinary grip. The lower jaw has a wedge shaped nose for prying crushed drip rails away from the body to insert the rail forming die of the upper jaw. The forming die of the lower jaw is the correct depth to bring out the exact contour. There is ample under-cut on the inside of the upper jaw to clear the beading and the long sweep on top of the jaw clears the top of the body when shaping the drip rail.

Chrome plated. Length 9¼". Weight 18 ozs.

NET PRICE, each.....

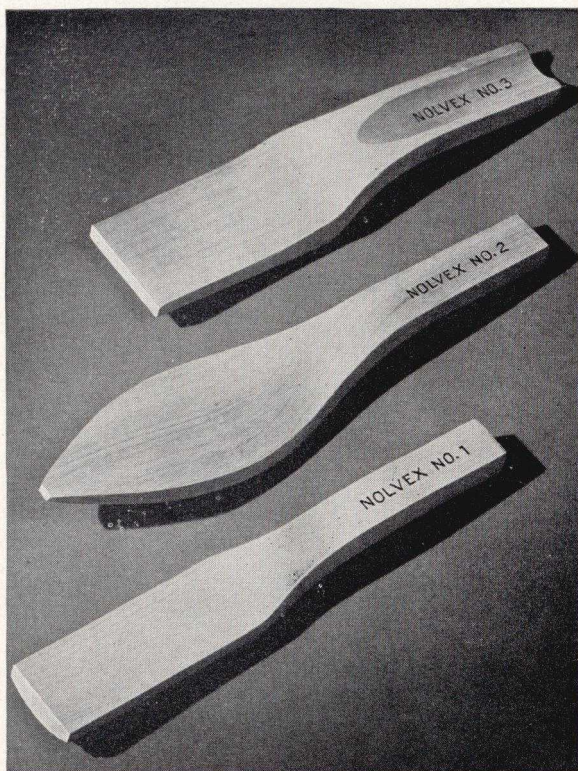
Herbrand Nolvex Solder Paddles

Expertly shaped—made from best grade Hard Maple

NOLVEX Solder Paddles are made in three shapes as illustrated, each shape for a particular application, to simplify the spreading and shaping of heated solder used in filling dents in automobile bodies and fenders, and to prepare the filled section for filing and finishing.

These paddles are made from hard maple—the best wood for this purpose.

Paddles should be dipped in linseed oil, or liberally covered with mutton tallow before using. This will prevent burning, and will assure smooth, easy shaping of the heated solder, and minimize the amount of filing.



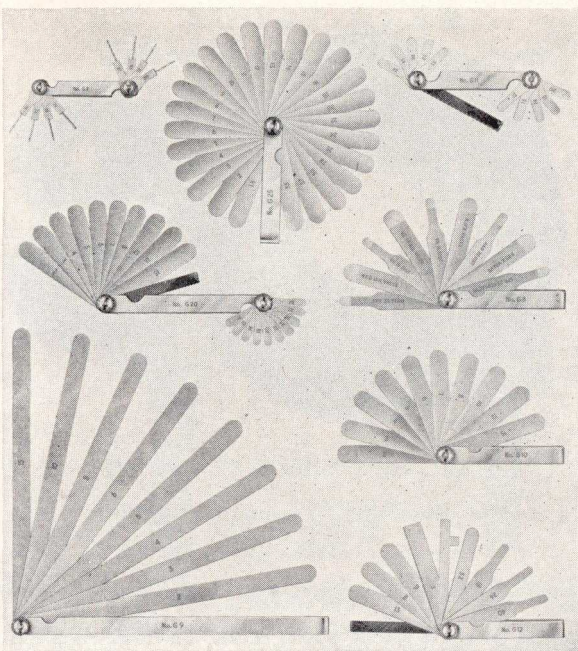
No. 3 PADDLE—Wide Flat, one end concave, 8½" long

No. 2 PADDLE—Spoon Shape, 9½" long

No. 1 PADDLE—Narrow Convex, 8½" long

NOLVEX No. BF-123 Set, contains one each of the No. 1, No. 2 and No. 3 Paddles.

DEALER NET, per set.....



"VAN-CHROME" THICKNESS GAUGES Tested for Accuracy and Temper

The complete assortment of Feeler Gauges shown on this page includes every size and type required for accurate spacing of spark plug terminals, distributor and ignition points, tappet clearance or any of the other close tolerances that are vital to the proper functioning of cars and engines.

For dependable accuracy feeler gauges must be made from the finest grade materials, properly hardened and tempered. "Van-Chrome" Thickness Gauges are made with the greatest precision from the finest grade of imported Swedish Steel, scientifically hardened and tempered to withstand wear. Each blade is individually tested to insure the exact thickness to a minute degree.

All Herbrand Thickness Gauges are equipped with knurled lock-nuts, which release the blades instantly for rapid selection of size desired, and when tightened lock the individual blade into the working position, retaining the blades not in use firmly in the handle.

The sizes are permanently etched on each blade.

TYPES AND SIZES OF "VAN-CHROME" FEELER GAUGES

NO. G-7, Spark Plug Wire Gauge, the latest development for accurate spark plug gap spacing. Eight wire gauges, $1\frac{3}{4}$ " long: .022, .025, .027, .030, .032, .035, .040.

NET PRICE, each.....

NO. G-8, Special Ford Gauge for all models. Nine sizes, with Go-No-Go feature, $3\frac{1}{4}$ " long: .013 valve, .014 valve, .014 dist., .016 dist., .017 valve, .02 dist., .022 valve, .025 plug, .035 plug.

NET PRICE, each.....

NO. G-9, Extra long Feeler Gauge for pistons, etc. Eight sizes, 9" long: .002, .003, .004, .005, .006, .008, .010, .015.

NET PRICE, each.....

NO. G-10, Standard Feeler Gauge, containing ten sizes $3\frac{3}{8}$ " long: .002, .003, .004, .005, .006, .007, .008, .010, .012, .015.

NET PRICE, each.....

NO. G-11, Ignition Gauge, short, narrow blades for ignition, distributor points and spark plugs. Ten sizes $1\frac{1}{2}$ " long and 3" point file: .012, .013, .014, .018, .020, .022, .025, .028, .032, .035.

NET PRICE, each.....

NO. G-12, Special Chevrolet Gauge for valves and ignition. Seven sizes $3\frac{1}{4}$ " long and point file, 3" rule and float level gauge: .006, .008, .013, .018, .024, .032, .040.

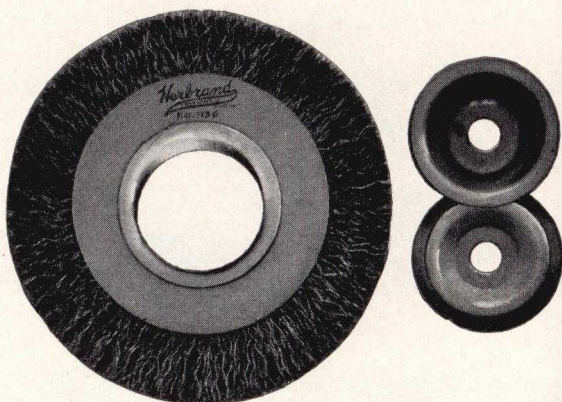
NET PRICE, each.....

NO. G-20, General Purpose Gauge for tappet and ignition work—most universal gauge on the market. Ten blades $1\frac{1}{2}$ " long, 10 blades $3\frac{3}{8}$ " long and 3" point file—short blades: .012, .013, .014, .018, .020, .022, .024, .025, .028, .032; long blades: .002, .003, .004, .005, .006, .007, .008, .010, .013, .015.

NET PRICE, each.....

NO. G-25, Universal Master Gauge with a full range of spacers. Twenty-one blades $3\frac{3}{8}$ " long: .0015, .002, .003, .004, .005, .006, .007, .008, .009, .010, .011, .012, .013, .014, .015, .016, .018, .020, .022, .024, .025, .028, .030, .032, .035.

NET PRICE, each.....



STEEL WIRE CIRCULAR BRUSHES

For Roughing, Cleaning and Buffing

Heavy Duty Construction—Perfectly Balanced

Constructed of a special tough, crimped, steel wire; there are no better quality brushes available. The steel wire sections are locked into the metal hub parts under pressure, making a complete master unit. This hub construction permits the use of the greatest amount of wire, and creates an exceptional density on the working face of the brush that will wear evenly down to the arbor.

The extra quality crimped steel wire prevents bending and breaking, assuring longer life and unusual wearing ability. The metal-bound construction eliminates the danger of flying grit.

Available in two sizes: No. 1136 four-inch and No. 1137 six-inch. Each wheel has a standard 2" opening, and adaptors illustrated, with $\frac{1}{2}$ " arbor hole, are supplied as regular equipment. They are interchangeable with any size adaptor to fit any shaft.

- NO. 1136, 4" diameter, thickness $\frac{7}{8}$ ", complete with arbor.**
 NET PRICE, each.....
NO. 1137, 6" diameter, thickness $1\frac{1}{16}$ ", complete with arbor.
 NET PRICE, each.....
NO. 1137-A, 8" diameter, complete with $\frac{1}{2}$ " or $\frac{5}{8}$ " arbor.
 NET PRICE, each.....



CARBON CLEANING BRUSH NO. 1138

For Use with Portable Tools and Flexible Shafts

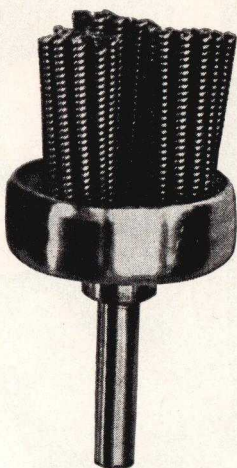
Metal-bound Construction

Designed particularly for cleaning carbon from cylinder heads, blocks, valve parts, recesses, combustion chambers and for general cleaning around the motor or car body.

The heavy, first quality, crimped wire is firmly secured in the metal cup, giving the brush extra long life and unusual wearing qualities.

- NO. 1138, diameter of shank $\frac{1}{4}$ ", length of brush 1".**
 NET PRICE, each.....

CURLY-HEAD Coiled wire Cleaning Tool



Curly-Head
No. 2



Curly-Head
No. 5

Patent
Number
1,898,102

Do not force—let the rotary whipping action do the work.
Maximum efficiency attained when used at 1750 to 2000 R.P.M.

A NEW SERVICE WITH FLARE—

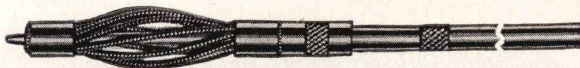
WHIPPING AND ROTARY ACTION

Bristles will not lay down like straight or crimped wire. Curly Heads stand up in clusters of coiled wire. Each cluster floats freely, distributing wear and gives a whipping and rotary action not possible with other type brushes. Powerful spring tension prevents snarling, handles easily, no jerking or jumping. **Saves wear on drill.** Gets into close corners, valve ports, around bolts, etc., leaving burnished surface to which carbon does not readily adhere.

NO. 2, Curly-Head Brush, 3 section, general utility use in drill or lathe
NET PRICE, each.....

NO. 5, Curly-Head Brush, 1 section for channels, etc., that cannot be reached by larger types.
NET PRICE, each.....\$2.36 Refills..... .94

NO. 24, Curly-Head Brush, 3 section, same as No. 2 but medium for aluminum and alloys.
NET PRICE, each.....



COILED WIRE ADJUSTABLE AND RE-FILLABLE "REAMER TYPE" CLEANING TOOLS

Always maintains contact with surface to be cleaned. Spiral of wires and spiral of coils form the abrasive. Will not scratch, but has a polishing action not found in other type reamers. Wires will not fly out when used in bushings with holes, slot or oil groove. For hand or electric drill.

Lock the nut securely to prevent change of adjustment while in use.
Maximum speed 1750 R.P.M.

Patent Number 2,020,442

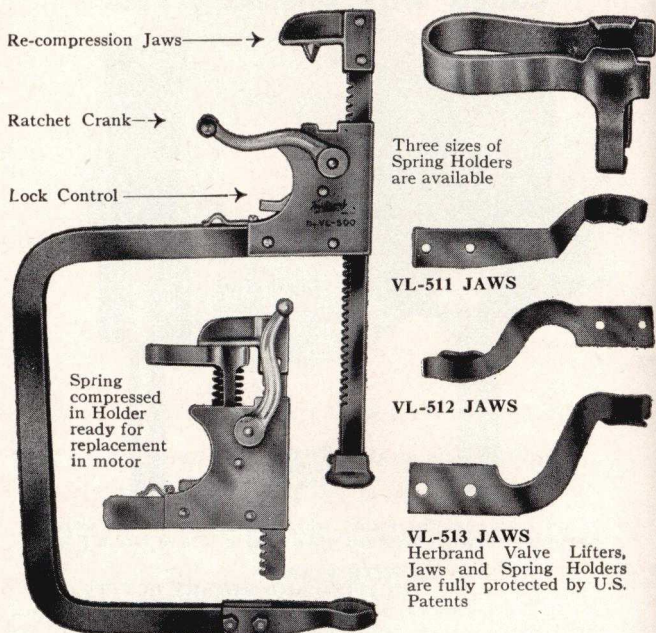
NO. 10, Curly-Head Cleaner, adjustable $\frac{1}{4}$ to $\frac{5}{32}$ inch. Valve guides for small cars and tractors.
NET PRICE, complete..... Refill.....

NO. 11, Curly-Head Cleaner, adjustable $\frac{5}{16}$ to $\frac{5}{8}$ inch. Valve guides for cars, trucks, tractors. Use one tool instead of many.
NET PRICE, complete..... Refill.....

NO. 15, Curly-Head Cleaner, adjustable $\frac{5}{8}$ to $1\frac{1}{16}$ inches. Valve guide bushings.
NET PRICE, complete..... Refill.....

NO. 16, Curly-Head Cleaner, adjustable 1 to $1\frac{1}{4}$ inches. Valve guide bushings small flues and tubes.
NET PRICE, complete..... Refill.....

Curly-Heads pay for themselves Life of coiled wire many times that
in a very few operations. of straight or crimped wire.



VALVE SPRING LIFTER AND COMPRESSOR NO. VL-500

Fits more than 90% of All Cars and Trucks

With Distinctive Re-compression Feature

More different cars are serviced with this unparalleled, ratchet action, automatic locking Valve Tool than any other type manufactured. The positive, vertical lift and the patented jaws make it impossible for them to slip off the spring. Exceptionally thin, hardened and tempered jaws take any size spring or washer, and insert readily above the washer where other types fail to function.

A special ratcheting device is built into the crank handle for clearance of obstructions, and the automatic lock positively holds the spring at any desired position, leaving the hands free to remove the valve keepers.

The action of the tool employs the rack and pinion principle, and no adjustments are required either on the top or bottom. Designed to clear the manifold and other obstructions without necessitating their removal.

Another outstanding feature of this Valve Lifter is the top jaw construction, making it quick and easy to re-compress springs for replacement in the motor. Equipped with No. VL-513 special offset jaws, it is the only tool handling Chrysler and Waukesha motors without removing manifold.

NO. VL-500, complete with Straight Jaws and set of three Spring Holders Satin finish. Size inside of frame $9\frac{3}{8}"$ x $11\frac{3}{8}"$. Weight 5 lbs. 7 ozs.

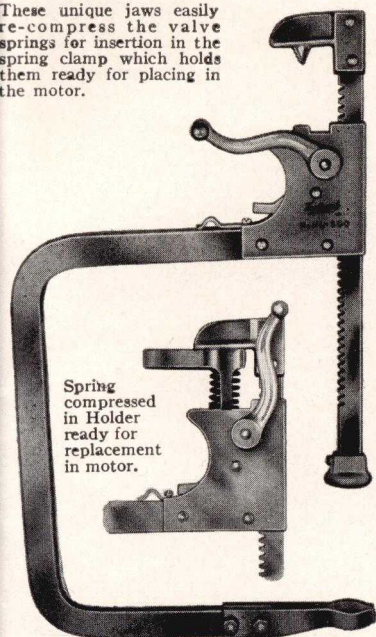
NET PRICE, each.....

Extra Interchangeable Jaws

NO. VL-510, Straight Jaws for most cars, also Cadillac and Lincoln....
NO. VL-511, Offset Jaws for G.M.C. and all Continental Motors.....
NO. VL-512, Offset Jaws for motors requiring extra offset, and Dodge 6.
NO. VL-513, for Chrysler, Dodge, Plymouth and Waukesha Motors....

Prices subject to change without notice.

These unique jaws easily re-compress the valve springs for insertion in the spring clamp which holds them ready for placing in the motor.



**HEAVY DUTY
VALVE LIFTER
AND
COMPRESSOR
NO. VL-503**

**For Large Trucks,
Buses and Tractors**

*With Re-compression
Feature*

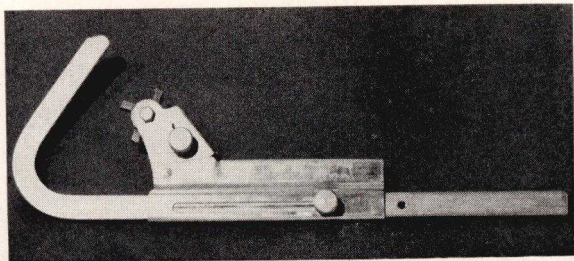
Motors on heavy trucks, buses and tractors require a larger capacity and heavier, more powerful Valve Spring Lifter and Compressor. VL-503 has the same labor-saving features as the standard type described on the preceding page, but is more ruggedly built, with a bigger frame and the extra power for those tough, heavy duty jobs. The C-frame design will handle the toughest spring compression work without removing the manifold or other interfering parts.

The convenience of the ratchet handle is readily understood by the mechanic who has encountered difficulties with ordinary lifters. There is a great economy of time, because the rack and pinion drive locks automatically at the most practical position for the work and leaves the hands of the mechanic free to remove and catch lock washers. No adjustments are necessary either to the top or bottom.

Every mechanic needs the Herbrand Heavy Duty Valve Spring Lifter and Compressor to save time and efficiently handle the ever-increasing service demands on large motors. It not only pays for itself on a few jobs, but will return large dividends in a short period of time. The one-piece C-frame is ruggedly constructed of heavy gauge steel, and the entire tool, is finished in rustproof satin.

NO. VL-503, complete with Straight Jaws and set of three Spring Holders. Size inside of frame 11" x 13". Weight 7 lbs. 8 ozs.

NET PRICE, each.....



Universal Ring Groove Cleaner No. 349
Adjustable to Four Groove Sizes

Insures Perfect Ring Functioning and Avoids Injury to Pistons

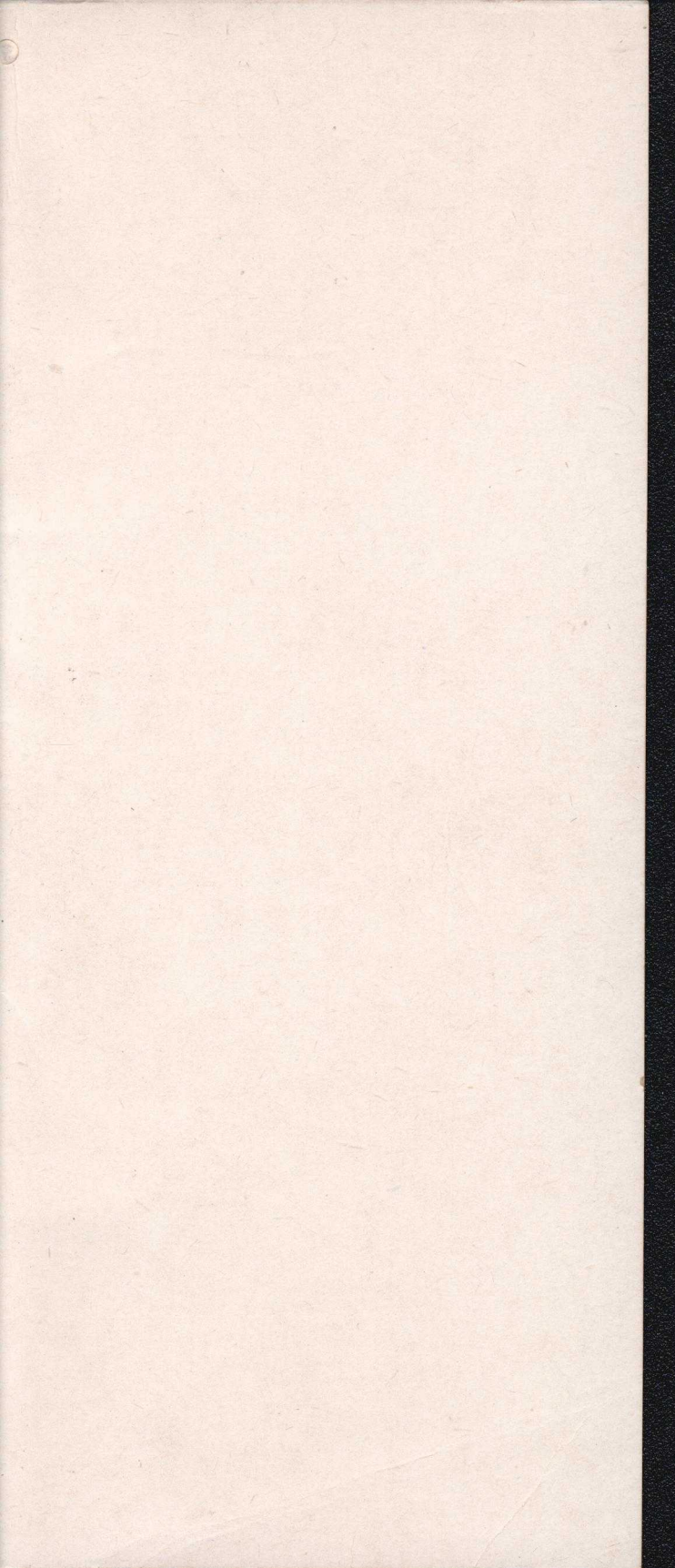
The hardest carbon deposit yields readily to a few simple revolutions of the tool without injuring piston walls or ring grooves. It does a perfect cleaning job, because the rotor or scraping wheel is adjustable to fit all the popular sizes of ring grooves. A turn of the lock nut revolves the cutter to any desired size and exactly fits the grooves without binding. The cleaner wheel is so accurately fitted that it will not round off the edges of the grooves, insuring perfect-fitting rings and avoiding lost compression, poor ring functioning and other disorders.

Size of cutter blades, $\frac{3}{32}$ ", $\frac{1}{8}$ ", $\frac{5}{32}$ " and $\frac{3}{16}$ ". Length 11 $\frac{1}{4}$ ". Weight 12 ozs.
NET PRICE, complete tool, each.....

MEMORANDA

MEMORANDA

MEMORANDA





**BROADEST COVERAGE OF MECHANICS'
NEEDS AT EQUITABLE PRICES**



**DISTINCTIVE SPECIAL TOOLS CREATED
TO SAVE TIME, LABOR AND ENERGY**



**QUICK SERVICE FROM DISTRIBUTORS'
STOCKS LOCATED AT ALL STRATEGIC
POINTS**



**BUY WITH CONFIDENCE BECAUSE
HERBRAND TOOLS ARE BACKED BY BOTH
THE MANUFACTURER AND JOBBER**

